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Expenditures of the Smithsonian Institution. Letter from the Secretary of the Smithsonian Institution, transmitting a detailed statement of expenditures for the fiscal year ending June 30, 1893.

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EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

L E T T E R

FROM

THE SECRETARY OF THE SMITHSONIAN INSTITUTION,

TRANSMITTING

A detailed statement of expenditures for the fiscal year ending June 30, 1893.

DECEMBER 4, 1893.—Referred to the Committee on Appropriations and ordered to be printed.

SMITHSONIAN INSTITUTION,
Washington, December 2, 1893.

SIR: I have the honor to submit herewith to Congress, in accordance with the provisions in the sundry civil acts of October 2, 1888, and March 5, 1892, a detailed statement of the expenditures for the fiscal year ending June 30, 1893, under the appropriations for "International exchanges," the "National Museum," the "Astro-physical Observatory," the "National Zoölogical Park," "North American Ethnology," etc.

I have the honor to be, very respectfully, your obedient servant,
S. P. LANGLEY,
Secretary.

Hon. CHARLES F. CRISP,
Speaker of the House of Representatives, Washington.

**DETAILED STATEMENT OF EXPENDITURES FROM APPROPRIATIONS COMMITTED BY
CONGRESS TO THE CARE OF THE SMITHSONIAN INSTITUTION FOR THE FISCAL
YEAR ENDING JUNE 30, 1893, AND FROM BALANCES OF FORMER YEARS.**

INTERNATIONAL EXCHANGES.

RECEIPTS.

| | |
|---|--------------------|
| Appropriated by Congress for the fiscal year ending June 30, 1893, "for the expenses of the system of international exchanges between the United States and foreign countries, under the direction of the Smithsonian Institution, including salaries or compensation of all necessary employes" (sundry civil act, August 5, 1892)---- | \$12,000.00 |
| And (deficiency act, March 3, 1893) ----- | 5,000.00 |
| | <u>\$17,000.00</u> |

EXPENDITURES FROM JULY 1, 1892, TO JUNE 30, 1893.

Salaries or compensation:

| | |
|--|------------|
| 1 curator, 12 months, at \$225----- | \$2,700.00 |
| 1 clerk, 12 months, at \$160----- | 1,920.00 |
| 1 clerk, 12 months, at \$120----- | 1,440.00 |
| 1 clerk, 12 months, at \$85----- | 1,020.00 |
| 1 clerk, 12 months, at \$80----- | 960.00 |
| 1 clerk, 12 months, at \$75----- | 900.00 |
| 1 clerk, 12 months, at \$75----- | 900.00 |
| 1 clerk, 12 months, at \$65----- | 780.00 |
| 1 clerk, 1½ months, at \$45----- | 67.50 |
| 1 clerk, 2 months, at \$40, \$80; 17 days, at \$40, \$22.67---- | 102.67 |
| 1 stenographer, 3 months, at \$45----- | 135.00 |
| 1 copyist, 1 month at \$40, \$40; 15 days, at \$40, \$19.35---- | 59.35 |
| 1 packer, 5 months, at \$75, \$375; 7 months, at \$50, \$350---- | 725.00 |
| 1 packer, 5 months, at \$50----- | 250.00 |
| 1 laborer, 5 months, at \$35----- | 175.00 |
| 1 laborer, 92 days, at \$1.50----- | 138.00 |
| 1 agent, 6 months, at \$83.33½----- | 500.00 |
| 1 agent, 6 months, at \$50----- | 300.00 |

| | |
|-------------------------------------|-----------|
| Total salaries or compensation----- | 13,072.52 |
|-------------------------------------|-----------|

General expenses:

| | |
|------------------------------|-----------------|
| Freight----- | \$1,537.57 |
| Packing boxes----- | 441.40 |
| Printing and binding----- | 198.60 |
| Postage----- | 150.00 |
| Stationery and supplies----- | 337.68 |
| | <u>2,665.25</u> |

| | |
|--|-----------|
| Total expenditure from July 1, 1892, to June 30, 1893----- | 15,737.77 |
|--|-----------|

| | |
|--|----------|
| Balance July 1, 1893, to meet outstanding liabilities----- | 1,262.23 |
|--|----------|

APPROPRIATION, INTERNATIONAL EXCHANGES, SMITHSONIAN INSTITUTION, 1893.

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|-----|---|----------|-----|---|---------|
| 1 | Pay roll, services..... | \$459.66 | 54 | Lunham & Moore, freight..... | \$2.00 |
| 2 | Washington City post-office, postage..... | 10.00 | 65 | F. P. May & Co., supplies..... | 2.55 |
| 3 | Lunham & Moore, freight..... | 4.40 | 66 | Wm. Ballantyne & Sons, stationery..... | 6.35 |
| 4 | Barber & Co., freight..... | 6.68 | 67 | Oelrichs & Co., freight..... | 1.58 |
| 5 | Oelrichs & Co., freight..... | 24.40 | 68 | Pay roll, services..... | 355.00 |
| 6 | W. C. Winlock, services..... | 225.00 | 69 | Oelrichs & Co., freight..... | 5.28 |
| 7 | Pay roll, services..... | 490.34 | 70 | W. C. Winlock, services..... | 225.00 |
| 8 | Washington City post-office, postage..... | 10.00 | 71 | Pay roll, services..... | 355.00 |
| 9 | Pay roll, services..... | 474.35 | 72 | Washington City post-office, postage..... | 20.00 |
| 10 | F. P. May & Co., supplies..... | 2.00 | 73 | A. Schumacher & Co., freight..... | 13.90 |
| 11 | Oelrichs & Co., freight..... | 1.03 | 74 | W. F. Roberts, printing..... | 5.00 |
| 12 | do..... | 4.40 | 75 | Oelrichs & Co., freight..... | 2.60 |
| 13 | Barber & Co., freight..... | 6.68 | 76 | do..... | 4.25 |
| 14 | W. F. Roberts, printing and binding..... | 9.00 | 77 | Geo. W. Knox Express, freight..... | 79.70 |
| 15 | N. Y. Transfer Co., freight..... | 26.80 | 78 | Pay roll, services..... | 355.00 |
| 16 | Church & Stephenson, supplies..... | 4.16 | 79 | Easton & Rupp, stationery..... | 1.72 |
| 17 | W. F. Roberts, printing and binding..... | 5.00 | 80 | Oelrichs & Co., freight..... | 4.50 |
| 18 | Geo. W. Knox Express, freight..... | 95.67 | 81 | New York Transfer Co., freight..... | 17.50 |
| 19 | Oelrichs & Co., freight..... | 6.68 | 82 | do..... | 12.75 |
| 20 | W. C. Winlock, services..... | 225.00 | 83 | Library Bureau, supplies..... | 17.70 |
| 21 | Pay roll, services..... | 432.50 | 84 | W. C. Winlock, services..... | 225.00 |
| 22 | F. P. May & Co., supplies..... | .45 | 85 | Pay roll, services..... | 355.00 |
| 23 | Pay roll, services..... | 432.50 | 86 | Geo. W. Knox Express, freight..... | 71.39 |
| 24 | The Manhattan Supply Co., supplies..... | 5.42 | 87 | Barber & Co., freight..... | 6.67 |
| 25 | Wm. Hahn & Co., boxes..... | 5.40 | 88 | Pay roll, services..... | 355.00 |
| 26 | Oelrichs & Co., freight..... | 3.98 | 89 | Carter, Rice & Co., stationery..... | 58.60 |
| 27 | Washington City post-office, postage..... | 30.00 | 90 | T. R. Mitchell, printing..... | 9.50 |
| 28 | Oelrichs & Co., freight..... | 2.23 | 91 | Barber & Co., freight..... | 6.79 |
| 29 | Flint & Co., freight..... | 6.50 | 92 | New York Transfer Co., freight..... | 23.80 |
| 30 | W. C. Winlock, services..... | 225.00 | 93 | W. C. Winlock, services..... | 225.00 |
| 31 | Pay roll, services..... | 432.50 | 94 | Pay roll, services..... | 355.00 |
| 32 | Wm. Ballantyne & Sons, stationery..... | 15.70 | 95 | W. F. Roberts, printing..... | 5.00 |
| 33 | Barber & Co., freight..... | 6.68 | 96 | Oelrichs & Co., freight..... | 29.13 |
| 34 | New York Transfer Co., freight..... | 23.05 | 97 | Pay roll, services..... | 355.00 |
| 35 | R. W. Cameron, freight..... | 17.50 | 98 | Washington City post-office, postage..... | 30.00 |
| 36 | T. R. Mitchell, printing..... | 17.50 | 99 | Lunham & Moore, freight..... | 12.95 |
| 37 | W. F. Roberts, printing..... | 3.50 | 100 | do..... | 7.00 |
| 38 | United States Express Co., freight..... | 5.85 | 101 | R. W. Cameron & Co., freight..... | 2.40 |
| 39 | Pay roll, services..... | 410.00 | 102 | New York Transfer Co., freight..... | 16.50 |
| 40 | Adams Express Co., freight..... | 1.70 | 103 | Geo. W. Knox Express, freight..... | 85.49 |
| 41 | Geo. W. Knox Express, freight..... | 81.24 | 104 | J. H. Thiemeyer & Co., boxes..... | 38.00 |
| 42 | Easton & Rupp, stationery..... | 1.09 | 105 | Adams Express Co., freight..... | 2.65 |
| 43 | W. C. Winlock, services..... | 225.00 | 106 | Geo. W. Knox Express, freight..... | 95.05 |
| 44 | Pay roll, services..... | 410.00 | 107 | W. H. Lowdermilk & Co., supplies..... | 14.50 |
| 45 | Z. D. Gilman, supplies..... | 2.00 | 108 | W. F. Roberts, stationery..... | 3.50 |
| 46 | Oelrichs & Co., freight..... | 9.40 | 109 | W. C. Winlock, services..... | 225.00 |
| 47 | do..... | 2.50 | 110 | Pay roll, services..... | 376.00 |
| 48 | Geo. W. Knox Express, freight..... | 47.04 | 111 | Wm. Wesley & Son, services..... | 300.00 |
| 49 | Oelrichs & Co., freight..... | 3.93 | 112 | Felix Flügel, services..... | 500.00 |
| 50 | People's Washington and Norfolk Steamboat Co., freight..... | 46.95 | 113 | F. P. May & Co., supplies..... | 2.50 |
| 51 | Barber & Co., freight..... | 6.67 | 114 | Oelrichs & Co., freight..... | 10.97 |
| 52 | Pay roll, services..... | 410.00 | 115 | Barber & Co., freight..... | 20.19 |
| 53 | T. R. Mitchell, printing..... | 1.50 | 116 | Wm. Ballantyne & Sons, stationery..... | 11.33 |
| 54 | Oelrichs & Co., freight..... | 7.00 | 117 | Wm. H. Myers, services..... | .50 |
| 55 | do..... | 6.75 | 118 | E. Morrison Paper Co., supplies..... | 5.50 |
| 56 | Lunham & Moore, freight..... | 3.40 | 119 | Pay roll, services..... | 374.50 |
| 57 | Wyckoff, Seamans & Benedict, stationery..... | 1.00 | 120 | George Maier, binding..... | 33.60 |
| 58 | Wm. Ballantyne & Sons, stationery..... | 2.07 | 121 | Carter, Rice & Co., supplies..... | 37.90 |
| 59 | W. C. Winlock, services..... | 225.00 | 122 | W. C. Winlock, services..... | 225.00 |
| 60 | Pay roll, services..... | 410.00 | 123 | Pay roll, services..... | 395.67 |
| 61 | Judd & Detweiler, printing..... | 4.00 | 124 | New York Transfer Co., freight..... | 34.00 |
| 62 | Oelrichs & Co., freight..... | 4.76 | 125 | E. Morrison Paper Co., stationery..... | 6.00 |
| 63 | Geo. W. Knox Express, freight..... | 72.74 | 126 | T. R. Mitchell, printing..... | 15.25 |
| | | | 127 | J. H. Thiemeyer & Co., boxes..... | 304.00 |
| | | | 128 | Pay roll, services..... | 394.50 |
| | | | 129 | T. R. Mitchell, printing..... | 89.75 |
| | | | 130 | Easton & Rupp, stationery..... | 3.15 |
| | | | 131 | Library Bureau, stationery..... | 76.05 |
| | | | 132 | R. W. Cameron & Co., freight..... | 7.20 |

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893—Continued.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|--|---|---------|-----|--|-----------|
| 133 | Oelrichs & Co., freight..... | \$14.66 | 150 | Lunham & Moore, freight..... | \$7.00 |
| 134 | Barber & Co., freight..... | 20.55 | 151 | W. C. Winlock, services..... | 225.00 |
| 135 | F. P. May & Co., supplies..... | 3.12 | 152 | Pay roll, services..... | 394.50 |
| 136 | Geo. Ryneal, jr., supplies..... | 1.45 | 153 | Oelrichs & Co., freight..... | 2.50 |
| 137 | Wm. Ballantyne & Sons, stationery..... | 1.33 | 154 | do..... | 3.60 |
| 138 | W. C. Winlock, services..... | 225.00 | 155 | Lunham & Moore, freight..... | 14.50 |
| 139 | Pay roll, services..... | 396.00 | 156 | Barber & Co., freight..... | 6.64 |
| 140 | Geo. W. Knox Express, freight..... | 175.57 | 157 | do..... | 7.19 |
| 141 | New York Transfer Co., freight..... | 8.50 | 158 | J. H. Thiemeyer Co., boxes..... | 76.00 |
| 142 | W. F. Roberts, stationery..... | 17.75 | 159 | New York Transfer Co., freight..... | 35.56 |
| 143 | Washington City P.O., postage..... | 50.00 | 160 | Easton & Rupp, stationery..... | 2.83 |
| 144 | Pay roll, services..... | 394.50 | 161 | Geo. W. Knox Express, freight..... | 96.99 |
| 145 | Oelrichs & Co., freight..... | 4.40 | 162 | Z. D. Gilman, supplies..... | 4.50 |
| 146 | R. W. Cameron & Co., freight..... | 7.20 | 163 | Wyckoff, Seamans & Benedict, stationery..... | 5.42 |
| 147 | Barber & Co., freight..... | 20.06 | 164 | Wm. Hahn & Co., boxes..... | 18.00 |
| 148 | Easton & Rupp, supplies..... | 1.60 | 165 | E. Morrison Paper Co., stationery..... | 6.00 |
| 149 | The Manhattan Supply Co., supplies..... | 11.94 | | | |
| Total disbursements, international exchanges, Smithsonian Institution, 1893. | | | | | 15,737.77 |
| Balance July 1, 1893 | | | | | 1,262.23 |

NORTH AMERICAN ETHNOLOGY.

| | |
|---|-------------|
| Appropriation by Congress for the fiscal year ending June 30, 1893, for continuing ethnological researches among the American Indians, under the direction of the Smithsonian Institution, including salaries or compensation of all necessary employes." (Sundry civil act, August 5, 1892)..... | \$40,000.00 |
| Balance July 1, 1892, as per last annual report | 15,008.06 |
| Total | 55,008.06 |

The actual conduct of these investigations has been continued by the Secretary in the hands of Maj. J. W. Powell, director of the U. S. Geological Survey.

Expenditures July 1, 1892, to June 30, 1893.

Salaries or compensation:

| | |
|---|------------|
| 1 ethnologist, 12 months, at \$250..... | \$3,000.00 |
| 1 ethnologist, 7 months, at \$250..... | 1,750.00 |
| 2 ethnologists, 12 months, at \$200..... | 4,800.00 |
| 1 ethnologist, 12 months, at \$166.66..... | 1,999.92 |
| 2 ethnologists, 12 months, \$150..... | 3,600.00 |
| 1 ethnologist, 13 months, at \$133.33..... | 1,733.29 |
| 1 assistant ethnologist, 9 months, at \$116.66, \$1,049.94; 21 days, at \$116.66, \$87.49; 14 days, at \$116.66, \$54.44..... | 1,191.87 |
| 1 assistant ethnologist, 2 months, at \$100, \$200; 10 months, at \$116.66, \$1,166.60..... | 1,366.60 |
| 1 assistant ethnologist, 2½ months, at \$75, \$187.50; 9½ months, at \$100, \$950..... | 1,137.50 |
| 1 assistant ethnologist, 7½ months, at \$60..... | 452.14 |
| 1 archæologist, 12 months, at \$216.66..... | 2,599.92 |
| 1 assistant archæologist, 12 months, at \$125..... | 1,500.00 |
| 2 assistant archæologists, 12 months, at \$100..... | 2,400.00 |
| 1 stenographer, 12 months, at \$125..... | 1,500.00 |
| 1 stenographer, 1 month, at \$60..... | 60.00 |
| 1 draftsman, 2 months, at \$183.33, \$366.66; 14 days, at \$183.33, \$82.79..... | 449.45 |
| 1 draftsman, 2 months, at \$116.66, \$233.32; 14 days, at \$116.66, \$52.68..... | 286.00 |

Salaries or compensation—Continued.

| | |
|--|------------|
| 1 clerk, 12 months, at \$100 | \$1,200.00 |
| 2 clerks, 12 months, at \$60 | 1,440.00 |
| 1 copyist, 12 months, at \$70 | 840.00 |
| 1 copyist, 2½ months, at \$83.33, \$203.32; 9½ months, at \$100, \$950 | 1,158.32 |
| 1 copyist, 12 months, at \$50 | 600.00 |
| 1 messenger, 12 months, at \$50 | 600.00 |
| 1 laborer, 12 months, at \$50 | 600.00 |
| 1 modeller, 12 months, at \$60 | 720.00 |

Total salaries or compensation \$36,985.01

Miscellaneous:

| | |
|---------------------------|------------|
| Travelling expenses | \$3,281.36 |
| Field expenses | 311.50 |
| Drawings | 970.25 |
| Stationery | 159.05 |
| Freight | 229.53 |
| Field material | 137.73 |
| Supplies | 1,711.14 |
| Publications | 399.36 |
| Specimens | 3.00 |
| Miscellaneous | 310.84 |

7,513.76

44,498.77

Balance July 1, 1893 10,509.29

Expenditures reclassified by subject matter:

| | |
|--|-----------|
| Sign language and picture-writing | 4,403.65 |
| Exploration of mounds | 2,401.80 |
| Researches in archæology | 12,280.59 |
| Researches, language of North American Indians | 13,015.59 |
| Salaries in office of Director | 7,398.32 |
| Illustrations for reports | 2,196.34 |
| Researches among Pueblos | 1,621.77 |
| Contingent expenses | 1,175.71 |

Total expenditures, North American ethnology 44,498.77

Balance July 1, 1893 10,509.29

SUMMARY.

| | |
|--|-------------|
| July 1, 1892: Balance on hand | \$15,008.06 |
| Appropriation for North American ethnology | 40,000.00 |
| | 55,008.06 |
| Expended | 44,498.77 |
| Balance July 1, 1893 | 10,509.29 |

APPROPRIATION: NORTH AMERICAN ETHNOLOGY, SMITHSONIAN INSTITUTION.

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|-----|---|----------|-----|---|----------|
| 1 | Wm. Dinwiddie, travel..... | \$166.95 | 70 | Geo. W. Knox Express, freight | 80.50 |
| 2 | John D. Lay, storage..... | 30.00 | 71 | Wm. Dinwiddie, field expenses. | 24.00 |
| 3 | Mary M. Mitchell, drawings..... | 45.50 | 72 | John C. Parker, stationery..... | 6.00 |
| 4 | S. N. Tucker, stamp..... | .75 | 73 | E. E. Jackson & Co., drawing board | 1.50 |
| 5 | Geo. W. Knox Express, freight..... | 18.88 | 74 | Mary Irvin Wright, drawings..... | 54.00 |
| 6 | Gerard Fowke, field expenses..... | 83.00 | 75 | Lansburgh & Bro., supplies..... | 1.25 |
| 7 | M. G. Copeland, supplies..... | 14.50 | 76 | Geo. Ryneal, jr., supplies..... | 22.68 |
| 8 | Stephenson's Express, freight..... | 21.20 | 77 | M. W. Beveridge, field material..... | .90 |
| 9 | Gerard Fowke, field expenses..... | 54.00 | 78 | L. H. Schneider's Son, supplies..... | 1.75 |
| 10 | Geo. Ryneal, jr., supplies..... | 11.16 | 79 | C. R. Taylor, supplies..... | 15.80 |
| 11 | U. S. Express Co., freight..... | 16.10 | 80 | W. Holmes, travel..... | 27.69 |
| 12 | Adams Express Co., freight..... | 6.95 | 81 | Stephenson's Express, freight..... | 6.85 |
| 13 | M. Déséré Pector, publications..... | 25.09 | 82 | Wm. Dinwiddie, field expenses..... | 20.50 |
| 14 | E. J. Pullman, supplies..... | 122.33 | 83 | Chas. Scribner's Sons, publications | 7.00 |
| 15 | Robert Boyd, supplies..... | 13.35 | 84 | James Mooney, field expenses..... | 16.00 |
| 16 | People's Dispatch and Transfer Co., freight..... | 14.59 | 85 | Adams Express Co., freight..... | 8.05 |
| 17 | Pay roll, services..... | 700.00 | 86 | Pay roll, expenses..... | 776.66 |
| 18 | do..... | 2,168.31 | 87 | do..... | 2,283.31 |
| 19 | Wm. Dinwiddie, travel..... | 235.93 | 88 | Gerard Fowke, services..... | 100.00 |
| 20 | Ch. Gaulon, publications..... | 29.53 | 89 | Wyckoff, Seamans & Benedict, desk | 10.00 |
| 21 | J. J. Forsyth, frames..... | 3.50 | 90 | Wm. Dinwiddie, field expenses..... | 18.00 |
| 22 | M. W. Beveridge, supplies..... | 15.64 | 91 | Mary Irvin Wright, drawings..... | 80.00 |
| 23 | Royce & Marean, supplies..... | 5.86 | 92 | Mary M. Mitchell, drawings..... | 54.00 |
| 24 | E. E. Jackson & Co., supplies..... | 10.40 | 93 | A. S. Gatschet, travel..... | 237.10 |
| 25 | Mary Irvin Wright, drawings..... | 50.00 | 94 | F. H. Cushing, travel..... | 30.81 |
| 26 | Gerard Fowke, services..... | 100.00 | 95 | C. R. Taylor, supplies..... | 16.00 |
| 27 | Z. D. Gilman, supplies..... | 205.91 | 96 | Henry A. Clarke & Son, repairs..... | 1.00 |
| 28 | S. N. Tucker, stamp..... | .75 | 97 | Geo. Ryneal, jr., supplies..... | 13.44 |
| 29 | Wm. Dinwiddie, travel..... | 24.98 | 98 | Robt. Beall, publications..... | 9.00 |
| 30 | Wm. Dinwiddie, field expenses..... | 32.00 | 99 | E. E. Jackson & Co., supplies..... | 24.37 |
| 31 | Henry A. Clarke & Son, supplies..... | 8.00 | 100 | Adams Express Co., freight..... | 1.20 |
| 32 | Alfred Harris, translating..... | 12.00 | 101 | W. H. Holmes, travel..... | 20.65 |
| 33 | Pay roll, services..... | 660.00 | 102 | do..... | 84.97 |
| 34 | do..... | 1,991.65 | 103 | Gustav E. Stechert, publications | 40.00 |
| 35 | Gerard Fowke, services..... | 100.00 | 104 | Thomas M. Draney, transportation | 20.00 |
| 36 | W. H. Holmes, services..... | 216.66 | 105 | Herman Baumgarten, stamp..... | 3.00 |
| 37 | Wm. Dinwiddie, travel..... | 21.15 | 106 | Pay roll, services..... | 776.66 |
| 38 | A. S. Gatschet, travel..... | 117.30 | 107 | do..... | 2,166.65 |
| 39 | Chicago, St. Paul, Minneapolis and Omaha Rwy. Co., transportation | 10.65 | 108 | W. H. Morrison's Son, publications | 6.40 |
| 40 | Gerard Fowke, travel..... | 172.50 | 109 | W. J. Hoffman, services..... | 116.66 |
| 41 | E. J. Pullman, supplies..... | 233.95 | 110 | Gerard Fowke, services..... | 100.00 |
| 42 | Geo. Ryneal, jr., supplies..... | 9.72 | 111 | B. W. Henshaw, supplies..... | 17.85 |
| 43 | L. H. Schneider's Son, supplies..... | 5.20 | 112 | Mary M. Mitchell, drawings..... | 36.50 |
| 44 | Mary Irvin Wright, drawings..... | 48.00 | 113 | Robert Beall, publications..... | 30.50 |
| 45 | Fred. F. Katzenbach, subsistence..... | 48.00 | 114 | Thos. M. Draney, transportation | 8.00 |
| 46 | Wm. Dinwiddie, travel..... | 56.00 | 115 | Virginia and Truckee R.R. Co., transportation | 17.85 |
| 47 | Thos. M. Draney, transportation | 23.00 | 116 | F. Schopf, specimens..... | 3.00 |
| 48 | E. E. Jackson & Co., supplies..... | 21.60 | 117 | Wm. Dinwiddie, field expenses..... | 2.00 |
| 49 | Adams Express Co., freight..... | 8.20 | 118 | Stephenson's Express, freight..... | 1.70 |
| 50 | U. S. Express Co., freight..... | 2.50 | 119 | E. J. Pullman, printing..... | 4.48 |
| 51 | Pay roll, services..... | 2,154.14 | 120 | Z. D. Gilman, supplies..... | 2.35 |
| 52 | do..... | 751.66 | 121 | John C. Parker, supplies..... | 2.50 |
| 53 | Gerard Fowke, services..... | 100.00 | 122 | H. W. Henshaw, travel..... | 208.45 |
| 54 | James Mooney, services..... | 533.32 | 123 | Judd & Detweiler, supplies..... | 13.50 |
| 55 | Wm. Dinwiddie, travel..... | 36.83 | 124 | T. T. S. Bowie, stationery..... | 9.25 |
| 56 | W. H. Holmes, travel..... | 52.30 | 125 | L. H. Schneider's Son, supplies..... | 13.26 |
| 57 | W. H. Holmes, field expenses..... | 13.00 | 126 | Adams Express Co., freight..... | 15.60 |
| 58 | W. H. Holmes, travel..... | 46.08 | 127 | Pay roll, services..... | 2,033.31 |
| 59 | do..... | 45.96 | 128 | do..... | 776.66 |
| 60 | Garrick Mallory, travel..... | 170.44 | 129 | Mary Irvin Wright, drawings..... | 60.00 |
| 61 | Atchison, Topeka and Santa Fé R. R. Co., transportation..... | 41.25 | 130 | Gustav E. Stechert, publications | 35.26 |
| 62 | Chas. G. Stott & Co., stationery..... | 2.95 | 131 | A. S. Gatschet, travel..... | 192.60 |
| 63 | Adams Express Co., freight..... | 2.50 | 132 | Mary M. Mitchell, drawings..... | 45.50 |
| 64 | E. J. Pullman, supplies..... | 252.17 | 133 | Robt. Beall, publications..... | 28.25 |
| 65 | Mary M. Mitchell, drawings..... | 30.00 | 134 | Chicago, Rock Island and Pacific Rwy. Co., transportation | 39.25 |
| 66 | U. S. Express Co., freight..... | 3.70 | 135 | Z. D. Gilman, supplies..... | 107.72 |
| 67 | F. P. May & Co., supplies..... | 9.50 | | | |
| 68 | Wyckoff, Seamans & Benedict, repairs..... | .50 | | | |
| 69 | John C. Parker, supplies..... | 5.75 | | | |

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893—Continued.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|--|---|----------|-----|---|-----------|
| 136 | Jas. S. Topham, supplies..... | \$1.25 | 182 | Louisville and Nashville R. R. Co., transportation..... | \$27.50 |
| 137 | Milwaukee, Lake Shore and Western Rwy. Co., transportation..... | 29.27 | 183 | Thos. M. Draney, carriage hire..... | 4.00 |
| 138 | Henry A. Clarke & Son, stationery..... | 8.00 | 184 | James S. Topham, supplies..... | 3.50 |
| 139 | Wm. D. Clark & Co., supplies..... | 2.50 | 185 | Pay roll, services..... | 816.66 |
| 140 | Chas. G. Stott & Co., supplies..... | 10.05 | 186 | do..... | 1,821.09 |
| 141 | Pay roll, services..... | 976.66 | 187 | Gerard Fowke, travel..... | 22.13 |
| 142 | do..... | 2,133.30 | 188 | The Standard Engraving Co., engraving..... | 2.50 |
| 143 | Gerard Fowke, services..... | 200.00 | 189 | Wyckoff, Seamans & Benedict, repairs..... | 4.31 |
| 144 | Mary Irwin Wright, drawings..... | 80.00 | 190 | H. Baumgarten, stationery..... | 1.00 |
| 145 | Mary M. Mitchell, drawings..... | 44.75 | 191 | H. W. Henshaw, services..... | 250.00 |
| 146 | W. H. Morrison's Son, publications..... | 75.05 | 192 | Geo. W. Knox Express, freight..... | 1.96 |
| 147 | Robt. Beall, publications..... | 6.50 | 193 | Albert S. Gatschet, travel..... | 259.00 |
| 148 | H. W. Henshaw, services..... | 250.00 | 194 | Mary Irwin Wright, drawings..... | 75.00 |
| 149 | John C. Parker, repairs..... | 45.00 | 195 | do..... | 37.50 |
| 150 | Richmond and Danville R.R. Co., transportation..... | 27.50 | 196 | E. J. Pullman, supplies..... | 19.79 |
| 151 | Robt. Boyd, supplies..... | 3.75 | 197 | Albert S. Gatschet, salary..... | 150.00 |
| 152 | E. E. Jackson & Co., supplies..... | 32.72 | 198 | J. B. Chamberlain, apparatus..... | 5.35 |
| 153 | Pay roll, services..... | 848.80 | 199 | Geo. Ryneal, jr., supplies..... | 9.36 |
| 154 | do..... | 2,204.13 | 200 | Pay roll, services..... | 2,133.31 |
| 155 | Geo. Ryneal, jr., stationery..... | 60.80 | 201 | do..... | 716.66 |
| 156 | Adams Express Co., freight..... | 2.60 | 202 | U. S. Express Co., freight..... | 7.90 |
| 157 | J. Owen Dorsey, travel..... | 122.49 | 203 | J. U. Burket & Co., apparatus..... | 1.95 |
| 158 | L. H. Schneider's Son, supplies..... | 20.05 | 204 | Royce & Marean, apparatus..... | 4.75 |
| 159 | Z. D. Gilman, supplies..... | 3.20 | 205 | Haislett, Nicholson & Co., supplies..... | 49.50 |
| 160 | Mary M. Mitchell, drawings..... | 42.00 | 206 | M. W. Beveridge, supplies..... | 17.84 |
| 161 | Gerard Fowke, services..... | 100.00 | 207 | William Dinwiddie, travel..... | 140.80 |
| 162 | Wm. Dinwiddie, travel..... | 9.76 | 208 | Lloyd T. Meeds, services..... | 60.00 |
| 163 | John L. Ridgway, services..... | 52.68 | 209 | Gerard Fowke, travel..... | 39.55 |
| 164 | Delancy W. Gill, services..... | 82.79 | 210 | Mary M. Mitchell, drawings..... | 45.00 |
| 165 | U. S. Express Co., freight..... | 2.45 | 211 | Robert Beall, books..... | 11.75 |
| 166 | Chas. L. Woodward, books..... | 4.16 | 212 | Harry Horan, services..... | 19.50 |
| 167 | W. D. Clark & Co., supplies..... | 7.50 | 213 | D. G. Brinton, books..... | 23.00 |
| 168 | Geo. Ryneal, jr., supplies..... | 15.41 | 214 | George Ryneal, jr., supplies..... | 47.73 |
| 169 | H. Baumgarten, stationery..... | 5.15 | 215 | E. E. Jackson & Co., lumber..... | 9.24 |
| 170 | E. J. Pullman, supplies..... | 212.92 | 216 | Albert S. Gatschet, travel..... | 107.65 |
| 171 | Pay roll, services..... | 816.66 | 217 | Pay roll, services..... | 716.66 |
| 172 | do..... | 1,916.65 | 218 | do..... | 2,133.31 |
| 173 | The M. Ohmer's Sons Co., furniture..... | 163.00 | 219 | Mary Irwin Wright, drawings..... | 75.00 |
| 174 | John C. Parker, stationery..... | 57.50 | 220 | D. W. Cree, supplies..... | 8.00 |
| 175 | Mary M. Mitchell, drawings..... | 42.50 | 221 | Charles G. Stott & Co., stationery..... | 1.80 |
| 176 | Albert S. Gatschet, travel..... | 240.60 | 222 | Robert Clarke & Co., books..... | 5.95 |
| 177 | Mary M. Mitchell, drawings..... | 25.00 | 223 | United States Express Company, freight..... | 35.10 |
| 178 | Chas. G. Stott & Co., stat'y..... | .60 | 224 | W. H. Morrison's Son, books..... | 5.75 |
| 179 | Robt. Beall, publications..... | 33.75 | 225 | Brentano's, books..... | 20.06 |
| 180 | Chas. Scribner's Sons, publications..... | 2.36 | 226 | Texas Pacific Ry. Co., transportation..... | 5.35 |
| 181 | Z. D. Gilman, supplies..... | 116.15 | 227 | William Dinwiddie, travel..... | 192.59 |
| Total disbursements North American Ethnology, Smithsonian Institution .. | | | | | 44,498.77 |
| Balance July 1, 1893..... | | | | | 10,509.29 |

NATIONAL MUSEUM.

*Preservation of collections, July 1, 1892, to June 30, 1893.**Receipts.*

| | | |
|--|---------------|----------------------|
| Appropriation by Congress for the fiscal year ending June 30, 1893, "for continuing the preservation, exhibition, and increase of the collections from the surveying and exploring expeditions of the Government, and from other sources, including salaries or compensation of all necessary employes." (Sundry civil act, August 5, 1892.) | \$132, 500.00 | |
| Deficiency act, March 3, 1893 | 2, 000.00 | |
| | | <u>\$134, 500.00</u> |

Expenditures.

DIRECTION.

| | |
|--|--------------|
| 1 Assistant secretary of the Smithsonian Institution, in charge of United States National Museum, 12 months, at \$333.33 | \$3, 999. 96 |
|--|--------------|

SCIENTIFIC STAFF.

| | |
|---|-------------------|
| 1 curator (in charge), 12 months, at \$225 | \$2, 700.00 |
| 3 curators, 12 months, at \$200 | 7, 200.00 |
| 1 curator, 12 months, at \$175 | 2, 100.00 |
| 1 curator, 12 months, at \$100 | 1, 200.00 |
| 1 curator, 6 months, at \$150, 6 months, at \$155 | 1, 830.00 |
| 1 curator (acting), 12 months, at \$140 | 1, 680.00 |
| 1 assistant curator, 12 months, at \$166.66 | 1, 999.92 |
| 1 assistant curator, 10 months 13 days, at \$140 | 1, 458.71 |
| 1 assistant curator, 11 months 14 days, at \$133.33 | 1, 528.85 |
| 1 assistant curator, 9 months 27 days, at \$125, 1 month at \$100 | 1, 335.61 |
| 1 assistant curator, 230 days, at \$5 | 1, 150.00 |
| 1 assistant, 12 months, at \$80 | 960.00 |
| 1 assistant, 9 months, at \$85 | 765.00 |
| 1 aid, 12 months, at \$100 | 1, 200.00 |
| 1 aid, 12 months, at \$80 | 960.00 |
| 1 aid, 1 month 16 days, at \$80 | 121.29 |
| 1 aid, 2 months 20 days, at \$75 | 200.00 |
| 1 aid, 12 months, at \$60 | 720.00 |
| 1 aid, 15 days, at \$60 | 29.03 |
| 1 aid, 4 months 15 days, at \$50 | 224.19 |
| 1 aid, 1 month, at \$50, \$50; 25 days, at \$50, \$40.32; 23 days, \$50, \$38.33; 7 days, \$50, \$11.29 | 139.94 |
| 1 aid, 12 months, \$40 | 480.00 |
| 1 aid, 3 months 8 days, \$40 | 130.32 |
| 1 aid, 1 month 16 days, \$40 | 60.65 |
| 1 collector, 3 months 15 days, \$140 | 487.74 |
| 1 collector, 2 months, \$50 | 100.00 |
| | <u>30, 761.25</u> |

CLERICAL STAFF.

| | |
|---|-------------|
| 1 chief clerk, 12 months, at \$187.50 | \$2, 250.00 |
| 1 chief of division, 6 months, at \$175; 6 months, at \$185 | 2, 160.00 |
| 1 registrar, 12 months, at \$158.33 | 1, 899.96 |
| 1 disbursing clerk, 12 months, at \$100 | 1, 200.00 |
| 1 assistant librarian, 12 months, at \$100 | 1, 200.00 |
| 1 stenographer, 12 months, at \$85 | 1, 020.00 |
| 1 stenographer, 5 months 11 days, at \$50 | 267.74 |

| | |
|---|-------------------|
| 1 clerk, 12 months, at \$125----- | \$1,500.00 |
| 2 clerks, 12 months, at \$115----- | 2,760.00 |
| 2 clerks, 12 months, at \$100----- | 2,400.00 |
| 1 clerk, 1 month, at \$100----- | 100.00 |
| 1 clerk, 12 months, at \$90----- | 1,080.00 |
| 1 clerk, 12 months, at \$83.33----- | 999.96 |
| 1 clerk, 6 months 8 days, at \$75----- | 469.35 |
| 1 clerk, 12 months, at \$70----- | 840.00 |
| 1 clerk, 9 months, at \$70----- | 630.00 |
| 1 clerk, 9 months, at \$70; 3 months at \$60----- | 810.00 |
| 2 clerks, 12 months at \$60----- | 1,440.00 |
| 1 clerk, 6 months 16 days, \$60----- | 390.97 |
| 1 clerk, 3 months, at \$60----- | 180.00 |
| 1 clerk, 1 month, \$60----- | 60.00 |
| 3 clerks, 12 months, at \$55----- | 1,980.00 |
| 1 clerk, 11 months 28 days, at \$55----- | 654.68 |
| 3 clerks, 12 months, at \$50----- | 1,800.00 |
| 1 clerk, 5 months, at \$50----- | 250.00 |
| 1 clerk, 3 months, at \$50----- | 150.00 |
| 1 clerk, 8 days, at \$50----- | 12.90 |
| 1 copyist, 12 months, at \$55----- | 660.00 |
| 2 copyists, 12 months, at \$50----- | 1,200.00 |
| 1 copyist, 6 months 26 days, at \$50----- | 341.94 |
| 1 copyist, 4 months 28 days, at \$50----- | 246.67 |
| 1 copyist, 3 months, at \$50----- | 150.00 |
| 1 copyist, 11 months, at \$45; 1 month, at \$35----- | 530.00 |
| 5 copyists, 12 months, at \$40----- | 2,400.00 |
| 1 copyist, 2 months, at \$40----- | 80.00 |
| 1 copyist, 1 month 16 days, at \$40----- | 60.64 |
| 1 copyist, 12 months, at \$35----- | 420.00 |
| 1 copyist, 8 months, at \$35----- | 280.00 |
| 1 copyist, 3 months 12 days, at \$35; 7 months, at \$30----- | 328.55 |
| 1 copyist, 12 months, at \$30----- | 360.00 |
| 1 copyist, 11 months 29 days, at \$30----- | 359.00 |
| 1 typewriter, 9 months, at \$50, \$450; 28 days, at \$50, \$45.16; 26 days, at \$50, \$43.33; 26 days, at \$50, \$41.94----- | 580.43 |
| 1 typewriter, 1 month 7 days, at \$50; 3 months 24 days, at \$30----- | 174.52 |
| | <hr/> \$36,677.31 |

PREPARATORS.

| | |
|--|-----------------|
| 1 preparator, 12 months, at \$120----- | \$1,440.00 |
| 1 preparator, 8 months, at \$100, 800; 23 days, at \$100 per month, \$74.19; 16 days at \$100 per month, \$51.61----- | 925.80 |
| 1 preparator, 9 months 16 days, at \$90----- | 761.29 |
| 1 preparator, 1 month 16 days, at \$75----- | 113.71 |
| 1 preparator, 16 days, at \$75----- | 38.71 |
| 1 preparator, 5 months, at \$60, \$300; 28 days, at \$60 per month, \$54.19; 28 days, at \$60 per month, \$54.19; 28 days, at \$60 per month, 54.19; 1 day, at \$60 per month, \$2.14----- | 410.52 |
| 1 preparator, 4 months 21 days, at \$40----- | 190.00 |
| 1 preparator, 1 month 16 days, at \$40----- | 60.65 |
| 1 preparator, 1 month, at \$24----- | 24.00 |
| 1 artist, 12 months, at \$110----- | 1,320.00 |
| 1 photographer, 12 months, \$158.33----- | 1,899.96 |
| 1 taxidermist, 12 months, \$125----- | 1,500.00 |
| 1 taxidermist, 1 month 17 days, at \$80----- | 123.87 |
| 1 taxidermist, 12 months, at \$60----- | 720.00 |
| 1 taxidermist, 1 month 16 days, at \$60----- | 90.97 |
| 1 taxidermist, 1 month 16 days, at \$60----- | 90.97 |
| 1 taxidermist, 16 days, at \$50, \$25.81; 15 days, at \$50, \$25----- | 50.81 |
| 1 taxidermist, 16 days, at \$50----- | 25.81 |
| 1 taxidermist, 1 month 16 days, at \$40----- | 60.65 |
| 1 taxidermist, 2,504 hours, at 45 cents----- | 1,126.80 |
| | <hr/> 10,974.52 |

BUILDINGS AND LABOR.

| | |
|--|-------------|
| 1 superintendent, 12 months, at \$137.50 | \$1, 650.00 |
| 1 assistant superintendent, 2 months, at \$100; 10 months at \$90 | 1, 100.00 |
| 3 chiefs of watch, 12 months, at \$65 | 2, 340.00 |
| 1 watchman, 12 months, at \$65 | 780.00 |
| 7 watchmen, 12 months, at \$50 | 4, 200.00 |
| 1 watchman, 10 months, at \$50, \$500; 30 days, at \$50 per month, \$48.39; 26 days, at \$50 per month, \$46.43 | 594.82 |
| 1 watchman, 11 months, at \$50 per month, \$550; 30 days, at \$50 per month, \$48.39 | 598.39 |
| 1 watchman, 11 months, at \$50 | 550.00 |
| 1 watchman, 11 months 29 days, at \$50 | 598.33 |
| 1 watchman, 11 months, at \$50 per month, \$550; 30 days, at \$50 per month, \$48.39 | 598.39 |
| 1 watchman, 11 months 16 days, at \$50 | 575.81 |
| 3 watchmen, 12 months, at \$45 | 1, 620.00 |
| 1 watchman, 10 months 29 days, at \$45 | 492.10 |
| 1 watchman, 27 days, at \$1.75 | 47.25 |
| 1 skilled laborer, 12 months, at \$52 | 624.00 |
| 1 skilled laborer, 1 month, at \$50 | 50.00 |
| 1 skilled laborer 8 months, at \$45; 26 days, at \$2 | 412.00 |
| 3 laborers, 12 months, at \$40 | 1, 440.00 |
| 1 laborer, 1 month, \$43; 2 months, \$44.50; 6 months, \$46; 3 months, \$47.50 | 550.50 |
| 1 laborer, 1 month, at \$49.50; 4 months, at \$51; 4 months, at \$48; 2 months, at \$46.50; 1 month, at \$45 | 583.50 |
| 1 laborer, 9 months 26 days, at \$40; 1 month, at \$44.50; 1 month, at \$41.50 | 479.55 |
| 1 laborer, 1 month, at \$41.50; 10 months 23 days, at \$40 .. | 471.18 |
| 1 laborer, 1 month 16 days, at \$60; 55 days, at \$1.50 | 173.47 |
| 1 laborer, 1 month 16 days, at \$40 | 60.65 |
| 1 laborer, 11 months 24 days, at \$40 | 470.97 |
| 1 laborer, 160 days, at \$1.50 | 240.00 |
| 1 laborer, 287 days, at \$1.50 | 430.50 |
| 1 laborer, 208 days, at \$1.50 | 312.00 |
| 1 laborer, 313 days, at \$1.50 | 469.50 |
| 1 laborer, 166 days, at \$1.50 | 249.00 |
| 1 laborer, 297 days, at \$1.50 | 445.50 |
| 1 laborer, 297 days, at \$1.50 | 445.50 |
| 1 laborer, 320 days, at \$1.50 | 480.00 |
| 1 laborer, 297 days, at \$1.50 | 445.50 |
| 1 laborer, 353 days, at \$1.50 | 529.50 |
| 1 laborer, 327 days, at \$1.50 | 490.50 |
| 1 laborer, 319½ days, at \$1.50 | 479.25 |
| 1 laborer, 341½ days, at \$1.50 | 512.25 |
| 1 laborer, 319 days, at \$1.50 | 478.50 |
| 1 laborer, 150 days, at \$1.50 | 225.00 |
| 1 laborer, 86 days, at \$1.50 | 129.00 |
| 1 laborer, 10 days at \$1.50 | 15.00 |
| 1 laborer, 9 days, at \$1.50 | 13.50 |
| 1 laborer, 40 days, at \$1.50 | 60.00 |
| 1 laborer, 7 days, at \$1.50 | 10.50 |
| 1 laborer, 2 days, at \$1.50 | 3.00 |
| 1 laborer, 44 days, at \$1.50 | 66.00 |
| 1 attendant, 12 months, at \$40 | 480.00 |
| 1 attendant, 10 months, at \$40 per month, \$400; 27 days, at \$40 per month \$36; 37 days, at \$40 per month, \$38.71 .. | 474.71 |
| 2 cleaners, 12 months, at \$30 | 720.00 |
| 1 cleaner, 9 months 89½ days, at \$30 | 357.55 |
| 1 cleaner, 11 months 30½ days, at \$30 | 359.52 |
| 1 cleaner, 312½ days, at \$1 | 312.50 |
| 1 cleaner, 312 days, at \$1 | 312.00 |
| 1 cleaner, 29 days, at \$1 | 29.00 |
| 1 messenger, 12 months, at \$50 | 600.00 |
| 1 messenger, 12 months, at \$45 | 540.00 |

12 EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

| | |
|---|-------------|
| 2 messengers, 12 months, at \$30..... | \$720.00 |
| 2 messengers, 12 months, at \$20..... | 480.00 |
| 1 messenger, 1 month, at \$25 ; 6 months, at \$20..... | 145.00 |
| 1 messenger, 1 month, at \$20 ; 11 months, at \$25..... | 295.00 |
| 1 messenger, 4 months 24 days, at \$20..... | 96.00 |
| 1 messenger, 3 months 24 days, at \$20..... | 75.48 |
| 1 messenger, 2 months 3 days, at \$20 ; 6 months, at \$15.. | 131.94 |
| 1 messenger, 3 months, at \$15..... | 45.00 |
| | <hr/> |
| | \$33,764.11 |
| | <hr/> |
| Special services by job or contract..... | 116,177.15 |
| | <hr/> |
| Total expenditures for service..... | 2,224.83 |
| | <hr/> |
| | <hr/> |
| | 118,401.98 |

SUMMARY.

Preservation of collections, 1893.

| | |
|---|--------------|
| Direction..... | \$3,999.96 |
| Scientific staff..... | 30,761.25 |
| Clerical staff..... | 36,677.31 |
| Preparators..... | 10,974.52 |
| Buildings and labor..... | 33,764.11 |
| Special or contract work..... | 2,224.83 |
| | <hr/> |
| Total salaries or compensation..... | \$118,401.98 |
| Miscellaneous: | |
| Supplies..... | 1,888.31 |
| Stationery..... | 723.25 |
| Specimens..... | 3,630.02 |
| Books and periodicals..... | 144.28 |
| Travel..... | 407.88 |
| Freight and cartage..... | 1,889.75 |
| | <hr/> |
| | 8,683.49 |
| | <hr/> |
| Total expenditures to June 30, 1893, for preservation of collections, 1893..... | 127,085.47 |
| | <hr/> |
| Balance July 1, 1893, to meet outstanding liabilities. | 7,414.53 |

PRESERVATION OF COLLECTIONS, NATIONAL MUSEUM, 1893.

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|-----|--------------------------------------|----------|-----|--|------------|
| 1 | Thornton Dean, services..... | \$15.00 | 22 | Pay roll, services..... | \$9,110.26 |
| 2 | Theo. Holm, services..... | 29.03 | 23 | W. W. Rockhill, services..... | 50.00 |
| 3 | B. A. Bean, travel..... | 13.45 | 24 | American Ice Co., supplies..... | 41.91 |
| 4 | A. D. Rahn, special services..... | 9.30 | 25 | E. J. Pullman, supplies..... | 11.25 |
| 5 | A. H. Baldwin, special services..... | 87.01 | 26 | Wyckoff, Seamans & Benedict, special services..... | 35.00 |
| 6 | Jos. Mace, freight..... | 75.00 | 27 | S. R. Koehler, services..... | 100.00 |
| 7 | G. Brown Goode, services..... | 333.33 | 28 | H. Gibb, services..... | 80.00 |
| 8 | Pay roll, services..... | 8,878.70 | 29 | Geo. W. Knox Express, freight..... | 35.26 |
| 9 | W. W. Rockhill, services..... | 50.00 | 30 | Adams Express Co., freight..... | 22.45 |
| 10 | S. R. Koehler, services..... | 100.00 | 31 | Philadelphia Bureau of Press Clippings, books..... | 4.20 |
| 11 | H. Gibb, services..... | 80.00 | 32 | W. Bartholomae, supplies..... | 6.10 |
| 12 | K. J. Rush, services..... | 60.00 | 33 | Andrew Renz, supplies..... | 2.25 |
| 13 | Chas. Schuchert, services..... | 85.00 | 34 | M. A. Tappan, supplies..... | 14.28 |
| 14 | A. H. Baldwin, special services..... | 35.00 | 35 | Geo. Ryneal, jr., supplies..... | 6.10 |
| 15 | do..... | 10.00 | 36 | United States Express Co., freight..... | 25.25 |
| 16 | Chas. K. Worthen, specimens..... | 78.00 | 37 | M. Payne, special services..... | 13.00 |
| 17 | I. A. Rosenbusch, services..... | 4.52 | 38 | W. T. Owsley, specimens..... | 4.00 |
| 18 | Leggat Brothers, books..... | 1.50 | 39 | A. H. Baldwin, special services..... | 97.78 |
| 19 | W. H. Lowdermilk & Co., books..... | 10.10 | | | |
| 20 | G. Brown Goode, services..... | 333.33 | | | |
| 21 | Joseph Mace, freight..... | 75.00 | | | |

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893.—Continued.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|-----|--|---------------------------------|-----|--|------------|
| 40 | B. A. Bean, services..... | \$54. 16 | 111 | O. T. Mason, travel..... | \$2. 75 |
| 41 | J. S. Carpenter, specimens..... | 162. 50 | 112 | A. H. Baldwin, special services..... | 93. 41 |
| 42 | Jos. F. Sabin, specimens..... | 14. 75 | 113 | Franz Boas, specimens..... | 5. 75 |
| 43 | Chas. Schuchert, services..... | 85. 00 | 114 | Chas. H. Ourand, special services..... | 12. 00 |
| 44 | A. E. Foote, specimens..... | 6. 05 | 115 | Adams Express Co., freight..... | 17. 30 |
| 45 | Geo. P. Merrill, travel..... | 29. 00 | 116 | Wilmarth & Edmonston, supplies..... | 3. 50 |
| 46 | Jos. Mace, freight..... | 75. 00 | 117 | M. Payne, special services..... | 15. 00 |
| 47 | G. B. Goode, services..... | 333. 33 | 118 | Woodward & Lothrop, specimens..... | 1. 70 |
| 48 | A. H. Baldwin, special services..... | 43. 81 | 119 | Jas. W. Queen & Co., special services..... | 1. 00 |
| 49 | Sarah E. Mason, specimens..... | 10. 00 | | ices..... | 22. 04 |
| 50 | J. D. Epes, services..... | 50. 00 | 120 | India Alkali Works, supplies..... | 38. 25 |
| 51 | Frank X. Holzner, services..... | 50. 00 | 121 | Tiffany & Co., special services..... | 7. 50 |
| 52 | Chas. Schuchert, services..... | 85. 00 | 122 | R. H. Smith, specimens..... | 333. 33 |
| 53 | Pay roll, services..... | 8, 549. 32 | 123 | G. Brown Goode, services..... | 75. 00 |
| 54 | R. F. Downing & Co., freight..... | 32. 80 | 124 | Joseph Mace, freight..... | 8, 851. 08 |
| 55 | Mutual District Messenger Co., special services..... | 6. 05 | 125 | Pay roll, services..... | 11. 61 |
| 56 | American Ice Co., supplies..... | 54. 06 | 126 | B. F. Stevens, freight..... | 30. 00 |
| 57 | C. B. Fenton & Co., special services..... | 4. 75 | 127 | D. P. Ingraham, specimens..... | 24. 50 |
| 58 | H. H. & C. S. Brimley, specimens..... | 3. 85 | 128 | Ward's Natural Science Establishment, specimens..... | 50. 00 |
| 59 | The Northern Distillery, supplies..... | 120. 26 | 129 | Frank X. Holzner, services..... | 50. 00 |
| 60 | J. Baumgarten & Son, stationery..... | 4. 50 | 130 | do..... | 100. 00 |
| 61 | Geo. W. Spier, supplies..... | 1. 00 | 131 | S. R. Koehler, services..... | 27. 60 |
| 62 | Wash. B. Williams, supplies..... | 4. 40 | 132 | American Ice Company, supplies..... | 10. 35 |
| 63 | M. A. Tappen, special services..... | \$2. 50, supplies 75 cents..... | 133 | New York Coin and Stamp Co., specimens..... | 7. 70 |
| 64 | Newman & Son, supplies..... | 6. 50 | 134 | Philadelphia Bureau of Press Clippings, books..... | 35. 00 |
| 65 | W. Bartholomae, supplies..... | 1. 20 | 135 | Wyckoff, Seamans & Benedict, supplies, \$5.89; special services, \$8.75..... | 14. 64 |
| 66 | The Manhattan Supply Co., supplies..... | 20. 80 | 136 | Wyckoff, Seamans & Benedict, special services..... | 35. 00 |
| 67 | Geo. Ryneal, jr., supplies..... | 11. 68 | 137 | Mutual District Messenger Co., special services..... | 5. 63 |
| 68 | F. P. May & Co., supplies..... | 2. 00 | 138 | J. B. Lippincott Co., books..... | 3. 50 |
| 69 | H. Gibb, services..... | 80. 00 | 139 | Baker & Adamson, supplies..... | 25. 40 |
| 70 | S. R. Koehler, services..... | 100. 00 | 140 | The American Trading Co., freight..... | 64. 03 |
| 71 | The Brewer Cipher Co., books..... | 5. 00 | 141 | Geo. W. Knox Express, freight..... | 36. 75 |
| 72 | Wash. Nailor Co., spec. services..... | 8. 75 | 142 | United States Express Co., freight..... | 33. 50 |
| 73 | P. A. Connell, supplies..... | 4. 65 | 143 | Adams Express Co., freight..... | 14. 00 |
| 74 | Geo. W. Sharpley, services..... | 3. 00 | 144 | Judd & Detweiler, special services..... | 20. 00 |
| 75 | The Columbia Phonograph Co., special services..... | 18. 40 | 145 | G. P. Sullivan, special services..... | 18. 00 |
| 76 | Joseph Mace, freight..... | 1. 00 | 146 | M. Payne, special services..... | 3. 05 |
| 77 | Dexter & Co., special services..... | 8. 53 | 147 | H. S. & C. S. Brimley, specimens..... | 80. 00 |
| 78 | G. P. Sullivan, special services..... | 15. 00 | 148 | H. Gibb, services..... | 85. 00 |
| 79 | Mutual District Messenger Co., special services..... | 1. 80 | 149 | Charles Schuchert, services..... | 10. 00 |
| 80 | United States Express Co., freight..... | 14. 39 | 150 | W. W. Cadle, specimens..... | 29. 85 |
| 81 | Adams Express Co., freight..... | 19. 39 | 151 | Erich Wittkugel, specimens..... | 2. 20 |
| 82 | F. W. True, special services..... | 1. 00 | 152 | Emmons S. Smith, supplies..... | 18. 00 |
| 83 | A. H. Brown, services..... | 10. 32 | 153 | H. Landenberger, supplies..... | 71. 00 |
| 84 | M. Payne, special services..... | 10. 00 | 154 | John C. Parker, supplies, \$34; stationery, \$37..... | 25. 40 |
| 85 | C. F. Adams, specimens..... | 15. 00 | 155 | E. J. Pullman, supplies..... | 34. 42 |
| 86 | Unger Sabasio, special services..... | 2. 00 | 156 | Easton & Rupp, stationery..... | 9. 95 |
| 87 | Pom K. Soh, services..... | 11. 29 | 157 | M. W. Beveridge, supplies..... | 17. 67 |
| 88 | Frank X. Holzner, services..... | 50. 00 | 158 | Tschiffely & Evans, supplies..... | 7. 65 |
| 89 | Chas. H. Marsh, specimens..... | 1. 50 | 159 | J. Baumgarten & Son, stationery..... | 13. 55 |
| 90 | Fannie P. Cary, special services..... | 25. 00 | 160 | Julius Lansburgh, supplies..... | 86. 77 |
| 91 | A. B. Baldwin, special services..... | 37. 50 | 161 | A. H. Baldwin, special services..... | 30. 00 |
| 92 | A. C. Downs, specimens..... | 8. 00 | 162 | A. H. Baldwin, special services..... | 8. 11 |
| 93 | Ira Godfrey, special services..... | 5. 34 | 163 | Fred. A. Schmidt, stationery, \$7.15; supplies, 0.96..... | 104. 52 |
| 94 | W. T. Farrar, supplies..... | 9. 00 | 164 | William Ballantine & Sons, stationery..... | 33. 12 |
| 95 | M. A. Tappen, supplies..... | 18. 50 | 165 | Z. D. Gilman, supplies..... | 12. 75 |
| 96 | Newman & Son, special services..... | 35. 00 | 166 | J. H. Chesley & Co., supplies, \$8.80; stationery, \$3.95..... | 4. 50 |
| 97 | G. Brown Goode, services..... | 333. 33 | 167 | E. G. Wheeler, supplies..... | 9. 76 |
| 98 | Joseph Mace, freight..... | 75. 00 | 168 | Dexter & Co., special services..... | 7. 00 |
| 99 | Pay roll, services..... | 8, 714. 67 | 169 | J. H. Mills & Co., special services..... | 3. 87 |
| 100 | Chas. W. Richmond, specimens..... | 134. 60 | 170 | Kepler Hoyt, services..... | 75. 00 |
| 101 | Columbia Railway Co., supplies..... | 10. 50 | 171 | Jos Mace, freight..... | 333. 33 |
| 102 | Wm. N. Thompson, specimens..... | 100. 09 | 172 | G. B. Goode, services..... | |
| 103 | H. Gibb, services..... | 80. 00 | | | |
| 104 | Chas. Schuchert, services..... | 85. 00 | | | |
| 105 | S. R. Koehler, services..... | 100. 00 | | | |
| 106 | A. H. Baldwin, special services..... | 18. 00 | | | |
| 107 | Dexter & Co., special services..... | 8. 17 | | | |
| 108 | American Ice Co., supplies..... | 46. 41 | | | |
| 109 | Geo. W. Knox Express, freight..... | 55. 35 | | | |
| 110 | U. S. Express Co., freight..... | 2. 30 | | | |

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893—Continued.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|-----|--|----------|-----|--|----------|
| 173 | F. K. Holzner, services | \$24.19 | 241 | Woven Down Duster Co., sup- plies | \$1.00 |
| 174 | Pay roll, services | 8,952.73 | 242 | U. S. Express Co., freight | 51.96 |
| 175 | Alice Macfarland, services | 15.00 | 243 | Notman Photographic Co., spec- imens | 8.75 |
| 176 | Chas. A. Alston, services | 6.00 | 244 | Joseph Mace, freight | 75.00 |
| 177 | J. E. Giles, services | 6.00 | 245 | G. Brown Goode, services | 333.33 |
| 178 | Lansburgh & Bro., supplies | 108.06 | 246 | A. H. Baldwin, special services | 57.50 |
| 179 | Chas. Schuchert, services | 85.00 | 247 | Pay roll, services | 9,022.31 |
| 180 | S. R. Koehler, services | 100.00 | 248 | Columbia Phonograph Co., special services, \$43.78; sup- plies, \$35.50 | 79.28 |
| 181 | H. Gibb, services | 80.00 | 249 | G. C. Neale, services | 2.14 |
| 182 | W. E. Scollick, special services | 25.00 | 250 | Heli Chatelain, services | 24.00 |
| 183 | L. A. Rosenbusch, services | 30.48 | 251 | C. W. Richmond, specimens | 32.25 |
| 184 | M. Payne, special services | 16.00 | 252 | New York Transfer Co., freight | .50 |
| 185 | F. Von Dachenhausen, special services | 100.00 | 253 | S. R. Koehler, services | 100.00 |
| 186 | A. H. Baldwin, special services | 57.50 | 254 | H. Gibb, services | 80.00 |
| 187 | Church & Stephenson, supplies | 4.50 | 255 | Chas. Schuchert, services | 85.00 |
| 188 | Easton & Rupp, supplies | 8.62 | 256 | John C. Parker, special services | 30.00 |
| 189 | Dexter & Co., special services | 17.72 | 257 | G. Jervis, books | 11.75 |
| 190 | J. H. Mills & Co., special ser- vices | 5.00 | 258 | Wilhelm Engelmann, books | 6.00 |
| 191 | A. F. Foote, books | 2.50 | 259 | Chas. W. Richmond, specimens | 80.50 |
| 192 | E. Morrison Paper Co., supplies, \$16.71; stationery, \$11.4 | 130.71 | 260 | S. S. Daish & Son, supplies | 2.40 |
| 193 | Elmer & Amend, supplies | 80.98 | 261 | Asa L. Shipman's Sons, station- ery | 2.75 |
| 194 | W. H. Harrover, supplies | .50 | 262 | Wyckoff, Seamans & Benedict, supplies, \$3.17; special ser- vices, \$21.95 | 25.12 |
| 195 | Geo. Ryneal, jr., stationery, \$2.90; supplies, \$4.30 | 7.20 | 263 | Chas. Becker, supplies | 14.20 |
| 196 | J. H. Chesley & Co., supplies | 1.00 | 264 | Tschifely & Evans, supplies | 3.45 |
| 197 | Chas. Becker, supplies | 22.95 | 265 | John C. Parker, stationery | 9.65 |
| 198 | Wyckoff, Seamans & Benedict, supplies, \$6.10; stationery, \$92.50 | 98.60 | 266 | Woodward & Lothrop, supplies | 1.35 |
| 199 | American Ice Co., supplies | 46.20 | 267 | Geo. Ryneal, jr., stationery, \$2.50; supplies, \$1.56 | 7.06 |
| 200 | Mutual District Messenger Co., special services | 2.65 | 268 | Sam'l N. Rhoads, specimens | 40.00 |
| 201 | P. L. Jouy, services | 207.74 | 269 | American Ice Co., supplies | 12.00 |
| 202 | People's Dispatch Co., freight | 6.27 | 270 | M. Payne, special services | 15.00 |
| 203 | E. J. Pullman, supplies | 12.31 | 271 | A. C. Wells, services | 1.04 |
| 204 | Chas. W. Richmond, specimens | 13.25 | 272 | Adams Express Co., freight | 13.95 |
| 205 | Scott B. Wilson, specimens | 13.61 | 273 | E. J. Pullman, supplies | 5.30 |
| 206 | G. Brown Goode, services | 333.33 | 274 | People's Dispatch Co., freight | 6.80 |
| 207 | Joseph Mace, freight | 75.00 | 275 | Z. D. Gilman, supplies | 7.23 |
| 208 | Pay roll, services | 9,057.05 | 276 | United States Express Co., freight | 12.95 |
| 209 | John M. Williams, freight | .25 | 277 | W. Andrew Boyd, supplies | 20.00 |
| 210 | A. R. Appler, supplies | 6.00 | 278 | Carter, Rice & Co., stationery | 11.95 |
| 211 | H. W. Burnside, services | 19.35 | 279 | Louis Schneider, specimens | 41.56 |
| 212 | The White Corbin Co., station- ery | 31.50 | 280 | Stephensons Express, freight | 4.88 |
| 213 | Alaska Commercial Co., freight | 10.48 | 281 | Mutual District Messenger Co., special services | 1.50 |
| 214 | Phil. Bur. Press Clippings, books | 11.45 | 282 | Walsh Schlüter, specimens | 2.10 |
| 215 | Soule Photographic Co., spec- imens | 2.67 | 283 | B. F. Stevens, freight | 2.98 |
| 216 | E. J. Pullman, supplies | 71.13 | 284 | Heli Chatelain, specimens | 130.80 |
| 217 | Geo. Ryneal, jr., supplies | 10.02 | 285 | Chas. K. Worthen, specimens | 8.50 |
| 218 | G. P. Sullivan, special services | 20.00 | 286 | Chas. McLinn, freight | 10.65 |
| 219 | Leggat Bros., books | 2.25 | 287 | Chas. H. Maish, specimens | 3.50 |
| 220 | E. & H. T. Anthony & Co., specimens | 3.60 | 288 | Dexter & Co., special services | 9.00 |
| 221 | M. Payne, special services | 15.00 | 289 | Mrs. E. Shoemaker, special services | 15.00 |
| 222 | M. A. Tappan, supplies | 1.75 | 290 | Herdic Phaeton Co., special services | 8.35 |
| 223 | Wm. H. Butler, supplies | .50 | 291 | Erhard Bissinger, specimens | 53.68 |
| 224 | S. R. Koehler, services | 100.00 | 292 | A. H. Baldwin, special services | 75.00 |
| 225 | H. Gibb, services | 80.00 | 293 | J. B. Clayton, services | 12.90 |
| 226 | Chas. Schuchert, services | 85.00 | 294 | Frank X. Holzner, supplies | 15.75 |
| 227 | The Northern Distillery Co., supplies | 124.59 | 295 | John M. Williams, freight | .25 |
| 228 | Easton & Rupp, supplies | 20.74 | 296 | G. Brown Goode, services | 333.33 |
| 229 | Z. D. Gilman, supplies | 31.31 | 297 | United States Express Co., freight | 2.60 |
| 230 | N. V. Randolph & Co., supplies | 32.00 | 298 | Joseph Mace, freight | 75.00 |
| 231 | Mutual District Messenger Co., special services | 1.55 | 299 | Pay roll, services | 8,997.23 |
| 232 | Geo. W. Knox, express freight | 10.19 | 300 | B. Westermann & Co., books | .67 |
| 233 | do | 3.67 | 301 | China and Japan Trading Co., freight | 22.28 |
| 234 | The Manhattan Supply Co., supplies | 24.80 | 302 | J. B. Kendall, supplies | 7.00 |
| 235 | D. P. Ingraham, specimens | 15.90 | 303 | Columbia Railway Co., sup- plies | 10.50 |
| 236 | Adams Express Co., freight | 49.50 | 304 | Chas. H. Pleasants, supplies | 38.40 |
| 237 | People's Dispatch Co., freight | 8.07 | 305 | Adams Express Co., freight | 30.82 |
| 238 | Dexter & Co., special services | 8.94 | 306 | Geo. W. Knox Express, freight | 42.53 |
| 239 | American Ice Co., supplies | 14.40 | 307 | S. Raymond Roberts, books | 80.00 |
| 240 | John M. Williams, freight | 1.25 | | | |

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893—Continued.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|------|--|----------|------|--|----------|
| 308 | Library Bureau, supplies..... | \$4.50 | 368 | A. H. Baldwin, special services..... | \$32.62 |
| 309 | Wards National Science Establishment, specimens..... | 224.00 | 369 | U. S. Express Co., freight..... | 9.15 |
| 310 | P. L. Jouy, travel..... | 43.05 | 370 | do..... | 32.30 |
| 311 | Southern Pacific Co., freight..... | 1.90 | 371 | Geo. W. Knox Express, freight..... | 2.05 |
| 312 | People's Dispatch Co., freight..... | .25 | 372 | do..... | 39.60 |
| 313 | A. H. Baldwin, special services..... | 152.64 | 373 | Adams Express Co., freight..... | 16.20 |
| 314 | S. R. Koehler, services..... | 100.00 | 374 | do..... | 24.40 |
| 315 | H. Gibb, services..... | 80.00 | 375 | Geo. F. Breninger, specimens..... | 16.00 |
| 316 | Chas. Schuchert, services..... | 85.00 | 376 | The E. Howard Watch and Clock Co., supplies..... | 6.00 |
| 317 | Mary M. Hildebrandt, special services..... | 17.17 | 377 | International and Great Northern R. R., travel..... | 4.60 |
| 318 | G. P. Sullivan, special services..... | 17.00 | 378 | Wm. E. Stockett & Co., special services..... | 2.00 |
| 319 | J. W. Bouton, books..... | 4.05 | 379 | People's Dispatch Co., freight..... | 1.31 |
| 320 | M. Payne, special services..... | 18.00 | 380 | Dexter & Co., special services..... | 8.79 |
| 321 | B. Westermann & Co., books..... | 2.00 | 381 | American Ice Co., supplies..... | 17.10 |
| 322 | Leary Stuart & Co., books..... | .75 | 382 | B. V. Norman & Co., books..... | .66 |
| 323 | Mutual District Messenger Co., special services..... | 1.00 | 383 | Wyckoff, Seamans & Benedict, special services..... | 7.06 |
| 324 | People's Dispatch Co., freight..... | 45.96 | 384 | Francis Wieser, special services..... | 35.00 |
| 325 | Dexter & Co., special services..... | 9.75 | 384a | Missouri Pacific Rwy Co., freight..... | 10.61 |
| 326 | American Ice Co., supplies..... | 18.37 | 384b | do..... | 4.09 |
| 327 | P. L. Jouy, freight..... | 20.42 | 384c | Arizona and Southern R. R. Co., freight..... | .62 |
| 328 | Wm. Wesley & Son, books..... | 30.07 | 384d | Penn. R. R. Co., freight..... | 8.51 |
| 329 | Gebruder Hug, specimens..... | 7.60 | 384e | Wm. H. Kane, freight..... | .64 |
| 330 | Edwin E. Howell, special services..... | 2.50 | 385 | H. Gibb, services..... | 80.00 |
| 331 | J. L. Ridgway, specimens..... | 187.50 | 386 | S. R. Koehler, services..... | 100.00 |
| 332 | Joseph Mace, freight..... | 75.00 | 387 | H. Shugio, specimens..... | 245.00 |
| 333 | G. Brown Goode, services..... | 333.33 | 388 | Tozo Takayanagi, specimens..... | 90.00 |
| 334 | Pay roll, services..... | 8,965.48 | 389 | C. Itschner, special services..... | 14.16 |
| 335 | Chas. Schuchert, freight..... | 5.03 | 390 | Church & Stephenson, supplies..... | 1.50 |
| 336 | S. R. Koehler, services..... | 100.00 | 391 | G. P. Sullivan, special services..... | 25.00 |
| 337 | H. Gibb, services..... | 80.00 | 392 | E. M. Hasbrouck, services..... | 25.00 |
| 337a | Texas & Pacific R. R. Co., freight..... | 2.37 | 393 | Clinton Q. Thorn, special services..... | 18.00 |
| 337b | Mo. Pacific R. R. Co., freight..... | .44 | 394 | W. E. Scollick, special services..... | 25.00 |
| 337c | B. & O. R. R. Co., freight..... | 2.15 | 395 | Church & Stephenson, supplies..... | 1.50 |
| 337d | Arizona & S. Eastern R. R., freight..... | 1.36 | 396 | Mutual District Messenger Co., special services..... | 5.75 |
| 337e | V. H. Igo, freight..... | 8.80 | 397 | J. H. Chesley & Co., stationery \$3.95, supplies \$1..... | 4.95 |
| 338 | A. H. Baldwin, special services..... | 76.17 | 398 | F. P. May & Co., supplies..... | .50 |
| 339 | G. E. Williams, special services..... | 1.25 | 399 | M. W. Beveridge, supplies..... | 4.63 |
| 340 | Thorpe & Martin Manufacturing Co., supplies..... | 1.45 | 400 | E. J. Pullman, supplies..... | 46.44 |
| 341 | J. Buttikofer, specimens..... | 12.95 | 401 | Geo. Ryneal, jr., supplies \$11.25, stationery \$1.50..... | 12.75 |
| 342 | Walter Hough, specimens..... | 515.25 | 402 | E. McMaster, special services..... | 10.80 |
| 343 | Alfred Hansbury, freight..... | 3.00 | 403 | Geo. N. Rider, books..... | 6.00 |
| 344 | Columbia Phonograph Co., special services..... | 85.00 | 404 | Chas. K. Worthen, specimens..... | 50.03 |
| 345 | L. H. Schneider's Sons, supplies..... | 8.69 | 405 | Fred H. Cole, specimens..... | 100.00 |
| 346 | Wm. Ballantyne & Sons, stationery..... | 33.22 | 406 | James H. McGill, supplies..... | 5.00 |
| 347 | N. V. Randolph & Co., supplies..... | 70.00 | 407 | John M. Williams, freight..... | .25 |
| 348 | A. E. Foote, books..... | 2.00 | 408 | Dexter & Co., special services..... | 9.62 |
| 349 | M. Payne, special services..... | 17.00 | 409 | James E. Ward & Co., freight..... | 2.10 |
| 350 | W. H. Lowdermilk & Co., specimens..... | 4.00 | 410 | M. Payne, special services..... | 20.00 |
| 351 | Mutual District Messenger Co., special services..... | 6.20 | 411 | Washington Chronicle, supplies..... | 4.20 |
| 352 | E. Morrison Paper Co., stationery, \$17.89; supplies, \$69.94..... | 249.83 | 412 | W. L. Richmond, special services..... | 3.00 |
| 353 | Wyckoff, Seamans & Benedict, special services..... | 16.00 | 413 | E. Morrison Paper Co., supplies..... | 63.95 |
| 354 | John C. Parker, supplies..... | 17.00 | 414 | Fred. A. Schmidt, supplies..... | 10.13 |
| 355 | India Alkali Works, supplies..... | 20.80 | 415 | W. S. Yeates, services..... | 62.22 |
| 356 | C. E. Beecher, supplies..... | 2.55 | 416 | F. C. Wintele, specimens..... | 3.50 |
| 357 | E. McMaster, special services..... | 3.00 | 417 | A. H. Baldwin, special services..... | 52.53 |
| 358 | The Manhattan Supply Co., supplies..... | 11.75 | 418 | Ella N. Ricks, services..... | 3.00 |
| 359 | W. W. Rockhill, specimens..... | 843.45 | 419 | Joseph Mace, freight..... | 75.00 |
| 360 | Edward Gerrard, specimens..... | 6.15 | 420 | G. Brown Goode, services..... | 333.33 |
| 361 | Chas. K. Worthen, specimens..... | 113.00 | 421 | Pay roll, services..... | 9,577.42 |
| 362 | Joseph Mace, freight..... | 75.00 | 422 | Church & Stephenson, supplies..... | 1.50 |
| 363 | G. Brown Goode, services..... | 333.33 | 423 | S. R. Koehler, services..... | 100.00 |
| 364 | Pay roll, services..... | 9,594.79 | 424 | H. Gibb, services..... | 80.00 |
| 365 | David White, travel, \$315.03; supplies, \$35.52..... | 350.55 | 425 | C. Itschner, special services..... | 25.30 |
| 366 | C. Itschner, special services..... | 30.10 | 426 | J. C. Parker, stationery..... | 5.46 |
| 367 | Alexander R. Webb, specimens..... | 100.00 | 427 | Easton & Rupp, stationery..... | 32.29 |

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893—Continued.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|-------|--|---------|-------|--|------------|
| | Treasury settlement: | | 427 h | Baltimore and Ohio R. R., freight | \$10.51 |
| 427 a | Union Pacific R. R. Co., freight | \$12.07 | 427 i | Missouri and Pacific Rwy., freight | 5.07 |
| 427 h | do | 3.57 | 427 j | Maricopa and Phoenix R. R., freight | .93 |
| 427 c | do | 1.11 | 427 k | Puget Sound and Alaska S. S. Co. freight | 1.07 |
| 427 d | Texas and Pacific, freight | 4.66 | 427 l | Southern California R. R. Co., freight | .35 |
| 427 e | N. Mexico & Arizona, freight | 2.25 | 427 m | John M. Williams, freight | .25 |
| 427 f | do | 11.51 | | | |
| 427 g | Baltimore and Ohio R. R., freight | 8.32 | | | |
| | Total disbursements preservation of collections, National Museum, 1893 | | | | 127,085.47 |
| | Balance July 1, 1893 | | | | 7,414.53 |

Furniture and fixtures, July 1, 1892, to June 30, 1893.

RECEIPTS.

Appropriation by Congress for the fiscal year ending June 30, 1893,
 "for cases, furniture, fixtures, and appliances required for the exhibition and safe-keeping of the collections of the National Museum, including salaries or compensation of all necessary employes"
 (Sundry civil act, August 5, 1893) ----- \$15,000.00

EXPENDITURES.

Salaries or compensation:

| | |
|---|----------|
| 1 engineer of property, 15 days, at \$175 per month | \$84.68 |
| 1 carpenter, 294 days, at \$3 | 882.00 |
| 1 carpenter, 234 days, at \$3 | 702.00 |
| 1 carpenter, 40 days, at \$3 | 120.00 |
| 1 carpenter, 33 days, at \$3 | 99.00 |
| 1 carpenter, 21 days, at \$3 | 63.00 |
| 1 carpenter, 1 month, at \$91 | 91.00 |
| 1 cabinet-maker, 297 days, at \$3 | 891.00 |
| 1 painter, 11 months, 20 days, at \$65 | 756.94 |
| 1 storekeeper, 3 months, at \$70 | 210.00 |
| 1 property clerk, 12 months, at \$90 | 1,080.00 |
| 1 skilled laborer, 8 months, at \$60, \$480; 26½ days, at \$60, \$53; 29 days, at \$60, \$56.13; 2 months, at \$50, \$100 | 689.13 |
| 1 skilled laborer, 11 months 15½ days, at \$50 | 575.00 |
| 1 skilled laborer, 1 month, 8 days, at \$50 | 67.40 |
| 1 skilled laborer, 288 days, at \$2 | 576.00 |
| 1 skilled laborer, 61 days, at \$2 | 122.00 |
| 1 skilled laborer, 40 days, at \$2 | 80.00 |
| 1 skilled laborer, 179 days, at \$1.75 | 313.25 |
| 1 laborer, 8 months 29 days, at \$40 per month; 2 months, \$41.50 per month | 440.42 |
| 1 laborer, 1 month 16 days, at \$40 per month | 60.65 |

Special service by job or contract ----- 91.22

Total expenditure for salaries ----- \$7,994.69

Miscellaneous:

| | |
|-----------------------|--------|
| Cases | 556.53 |
| Drawings for cases | 34.50 |
| Drawers, trays, boxes | 252.60 |
| Frames, stands, etc | 16.00 |
| Glass | 774.92 |

Miscellaneous—Continued.

| | |
|--------------------|-------------------|
| Hardware | \$649.50 |
| Tools | 25.08 |
| Cloth, cotton, etc | 47.53 |
| Glass jars | 438.10 |
| Lumber | 501.44 |
| Paints, oils, etc | 383.35 |
| Office furniture | 48.22 |
| Metals | 30.89 |
| Rubber and leather | 21.86 |
| Apparatus | 118.20 |
| Slate, brick, etc | 6.50 |
| Skylights | 160.00 |
| | <u>\$4,065.22</u> |

Total expenditure July 1, 1892, to July 30, 1893, for furniture and fixtures, 1893..... 12,059.91

Balance July 1, 1893, to meet outstanding liabilities..... 2,940.09

APPROPRIATION: FURNITURE AND FIXTURES, NATIONAL MUSEUM, 1893.

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|-----|---|----------|-----|---|---------|
| 1 | Pay roll, services | \$634.02 | 38 | Woodward & Lothrop, cloth, etc | \$4.00 |
| 2 | R. W. Ryan, services | 42.00 | 39 | Holbrook Bros., glass | 163.60 |
| 3 | Pay roll, services | 635.00 | 40 | W. A. Pate, tools | .90 |
| 4 | F. W. Murray, apparatus | 4.50 | 41 | J. B. Kendall, hardware | 1.00 |
| 5 | Doremus & Co., hardware | 243.20 | 42 | L. H. Schneider's Son, hardware, \$25.97; tools, \$3.40 | 29.37 |
| 6 | Pay roll, services | 674.50 | 43 | Pay roll, services | 648.88 |
| 7 | L. H. Schneider's Son, hardware | 10.70 | 44 | Lansburgh & Bro., cloth, cotton, etc | 20.46 |
| 8 | F. P. May & Co., hardware | 35.55 | 45 | Irving Buck, storage cases | 556.53 |
| 9 | Benj. H. Shoemaker, glass | 573.12 | 46 | H. C. Taylor, services | 14.00 |
| 10 | Irving Buck, drawers, etc | 100.00 | 47 | Church & Stephenson, lumber | 276.41 |
| 11 | Turner Jenkins, special services | 9.00 | 48 | Turner Jenkins, special services | 4.75 |
| 12 | Church & Stephenson, lumber | 39.98 | 49 | J. O. Akers, frames, etc | 4.00 |
| 13 | Pay roll, services | 636.50 | 50 | Thos. Somerville & Sons, hardware | .60 |
| 14 | Doremus & Co., hardware | 13.00 | 51 | Hayward & Hutchinson, brick etc | 3.00 |
| 15 | Andrew Renz, tools | 1.50 | 52 | Chas. Becker, paints, oils | 9.50 |
| 16 | George P. Clarke, hardware | 5.60 | 53 | Geo. Ryneal, jr., glass | 3.30 |
| 17 | N. V. Randolph & Co., drawers, etc | 52.50 | 54 | J. H. Chesley & Co., hardware, \$8; tools, 35 cents | 8.35 |
| 18 | Irving Buck, drawers, etc | 50.00 | 55 | Wyckoff, Seamans & Benedict, office furniture | 30.00 |
| 19 | Pay roll, services | 629.50 | 56 | F. P. May & Co., tools, \$1; hardware, \$28.74 | 29.74 |
| 20 | Wm. H. Douglas, hardware | 21.00 | 57 | Pay roll, services | 595.00 |
| 21 | Chas. H. Ourand, drawing for cases | 20.25 | 58 | L. H. Schneider's Son, leather, \$2; tools, \$5.13; hardware, \$2.78; furniture, \$1.90 | 11.81 |
| 22 | do | 14.25 | 59 | L. H. Schneider's Son, tools, \$5; hardware, \$12.21 | 17.21 |
| 23 | Hayward & Hutchinson, brick, etc | 3.50 | 60 | Wm. H. Butler, paints | 5.65 |
| 24 | N. V. Randolph & Co., drawers, trays, etc | 3.00 | 61 | W. H. Verhoff, frames, etc | 12.00 |
| 25 | C. Dordfinger & Sons, glass jars | 74.40 | 62 | Edw. S. Schmid, hardware | 5.00 |
| 26 | Wash. B. Williams, office furniture | 5.87 | 63 | J. H. Chesley & Co., hardware | 35.30 |
| 27 | Wm. H. Butler, paints, \$73.31; glass, \$7.50 | 80.81 | 64 | Julius Lansburgh, office furniture | 1.25 |
| 28 | Melville Lindsay, rubber goods | 11.36 | 65 | Jesse Jones & Co., drawers, trays, etc | 20.95 |
| 29 | Robert Boyd, tin, lead, etc | 8.25 | 66 | E. D. Mallam, apparatus | 113.70 |
| 30 | W. B. Moses & Sons, office furniture | 5.20 | 67 | Pay roll, services | 571.00 |
| 31 | Francis Miller, paints, oils | 4.68 | 68 | Woodward & Lothrop, cloth, etc | 8.00 |
| 32 | F. P. May & Co., hardware | 55.68 | 69 | Jesse Jones & Co., drawers, trays, etc | 26.15 |
| 33 | Daniel Shanahan, paints, oils | 63.78 | 70 | F. W. Devoe & C. T. Reynolds Co., paints, oils | 64.00 |
| 34 | J. H. Chesley & Co., hardware, \$16.85; tin, etc, \$22.64 | 39.49 | | | |
| 35 | Doremus & Co., hardware | 7.50 | | | |
| 36 | E. G. Wheeler, leather and rubber | 8.50 | | | |
| 37 | Whitall, Tatum & Co., glass jars | 43.50 | | | |

Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893—Continued.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|---|--|---------|-----|--------------------------------------|-----------|
| 71 | W. A. Pate, tools..... | \$1.80 | 86 | W. M. Whyte & Bro., sky-lights..... | \$160.00 |
| 72 | Doremus & Co., hardware..... | 12.00 | 87 | Robt. Leitch & Sons, hardware..... | 11.69 |
| 73 | Church & Stephenson, lumber..... | 27.61 | 88 | Danl. Shanahan, paints, oils.... | 20.40 |
| 74 | Thos. Somerville & Sons, hardware..... | .85 | 89 | do..... | 95.65 |
| 75 | Robt. Boyd, hardware..... | 5.09 | 90 | Church & Stephenson, lumber..... | 59.31 |
| 76 | Albert L. Pitney, hardware..... | 1.65 | 91 | do..... | 9.36 |
| 77 | Pay roll, services..... | 583.52 | 92 | J. H. Chesley & Co., hardware..... | 34.38 |
| 78 | W. B. Moses & Sons, cloth \$15.07; office furniture \$4..... | 19.07 | 93 | do..... | 18.39 |
| 79 | H. Landenberger, glass jars.... | 9.70 | 94 | F. P. May & Co., hardware..... | 17.85 |
| 80 | Turner Jenkins, special service..... | 2.00 | 95 | M. W. Beveridge, glass jars.... | 19.50 |
| 81 | H. L. Cranford, special service..... | 75.47 | 96 | Geo. Ryneal, jr., glass..... | 27.40 |
| 82 | Pay roll, services..... | 581.50 | 97 | L. H. Schneider's Son, hardware..... | 3.30 |
| 83 | L. H. Schneider's Son, hardware, \$15.62; tools, \$6..... | 21.62 | 98 | Francis Miller, paints, oils.... | 30.73 |
| 84 | C. Dorfinger & Son, glass jars..... | 291.00 | 99 | Wm. H. Butler, paints, oils.... | 15.65 |
| 85 | Pay roll services..... | 751.05 | 100 | Pay roll, services..... | 907.00 |
| | | | 101 | Church & Stephenson, lumber..... | 88.77 |
| Total disbursements, furniture and fixtures, National Museum, 1893..... | | | | | 12,059.91 |
| Balance July 1, 1893..... | | | | | 2,940.09 |

Heating, lighting, electric and telephonic service, July 1, 1892, to June 30, 1893.

RECEIPTS.

| | |
|--|-------------|
| Appropriation by Congress for the fiscal year ending June 30, 1893, for expenses of heating, lighting, electric, telegraphic, and telephonic service for the National Museum " (sundry civil act, August 5, 1892)..... | \$11,000.00 |
| Deficiency act of March 3, 1893..... | 2,000.00 |
| Total..... | 13,000.00 |

EXPENDITURES.

Salaries or compensation:

| | |
|--|------------|
| 1 engineer, 12 months, at \$115..... | \$1,380.00 |
| 2 firemen, 12 months, at \$50..... | 1,200.00 |
| 1 fireman, 11 months 12 days, at \$50..... | 570.00 |
| 1 telephone clerk, 12 months, at \$60..... | 720.00 |
| 1 assistant telephone clerk, 12 months, at \$35..... | 420.00 |
| 1 laborer, 1 month, at \$45; 5 months, at \$40.50; 3 months at \$39; 1 month, at \$37.50; 2 months, at \$36..... | 474.00 |
| Special service by job or contract..... | 19.00 |

Total expenditure for salaries..... 4,783.00

General expenses:

| | |
|---------------------------|------------|
| Coal and wood..... | \$5,003.04 |
| Gas..... | 1,253.64 |
| Telephones..... | 730.09 |
| Electric supplies..... | 67.73 |
| Rental of call-boxes..... | 100.00 |
| Heating supplies..... | 222.47 |
| | 7,376.97 |

Total expenditures July 1, 1892, to June 30, 1893, for heating and lighting, etc., 1893..... 12,159.97

Balance July 1, 1893, to meet outstanding liabilities..... 840.03

APPROPRIATION: HEATING AND LIGHTING, NATIONAL MUSEUM
1893.*Abstract of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893.*

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|-----|--|----------|-----|--|-----------|
| 1 | Pay roll, services | \$399.00 | 35 | W. H. Harrover, heating supplies | \$0.30 |
| 2 | Washington Gaslight Company, gas | 79.25 | 36 | Geo. Ryneal, jr., heating supplies | 2.50 |
| 3 | Pay roll, services | 400.50 | 37 | Mutual District Messenger Co., rental call boxes | 10.00 |
| 4 | Geo. Ryneal, jr., supplies | .72 | 38 | V. Baldwin Johnson, coal | 694.71 |
| 5 | Pay roll, services | 400.50 | 39 | Pay roll, services | 399.00 |
| 6 | V. Baldwin Johnson, coal | 2,032.83 | 40 | Washington Gaslight Co., gas | 132.50 |
| 7 | Washington Gas Co., gas | 87.75 | 41 | John Herbert Corning, heating supplies | 42.50 |
| 8 | Robt. Leitch & Sons, supplies | 39.09 | 42 | W. A. Pate, heating supplies | 2.50 |
| 9 | Mutual District Messenger Co., rental call boxes | 10.00 | 43 | Chesapeake & Potomac Telephone Co., telephones | 153.26 |
| 10 | Baker, Smith & Co., heating supplies | 6.28 | 44 | John K. Ward, heating supplies | 20.50 |
| 11 | George Ryneal, jr., heating supplies | 9.63 | 45 | Mutual District Messenger Co., rental call boxes | 10.00 |
| 12 | Washington Gaslight Co., gas | 90.63 | 46 | Washington Gaslight Co., gas | 144.75 |
| 13 | Mutual District Messenger Co., rental call boxes | 10.00 | 47 | Pay roll, services | 396.00 |
| 14 | American Automatic Protector Co., telephones | 226.33 | 48 | Washington Gaslight Co., gas | 126.25 |
| 15 | Charles Werner, coal and wood | 103.75 | 49 | Robt. Leitch & Sons, heating supplies | 5.36 |
| 16 | John K. Ward, heating supplies | 13.00 | 50 | John K. Ward, heating supplies | 12.50 |
| 17 | Chesapeake & Potomac Telephone Co., telephones | 200.00 | 51 | Mutual District Messenger Co., rental call boxes | 10.00 |
| 18 | Pay roll, services | 400.50 | 52 | Charles Werner, wood | 55.75 |
| 19 | S. S. Shedd & Bro., heating supplies | 8.75 | 53 | Pay roll, services | 400.50 |
| 20 | E. Devlin & Son, electric supplies | 32.13 | 54 | John K. Ward, heating supplies | 3.00 |
| 21 | Westinghouse Electric and Manufacturing Co., electric supplies | 1.60 | 55 | Washington Gaslight Co., gas | 128.13 |
| 22 | J. E. Hurley, special services | 6.00 | 56 | Mutual District Messenger Co., rental call boxes | 10.00 |
| 23 | Pay roll, services | 396.00 | 57 | Chesapeake & Potomac Telephone Co., telephones | 150.50 |
| 24 | Washington Gaslight Co., gas | 90.13 | 58 | V. Baldwin Johnson, coal | 1,941.00 |
| 25 | Mutual District Messenger Co., rental call boxes | 20.00 | 59 | Pay roll, services | 367.50 |
| 26 | Hayward & Hutchinson, heating supplies | 6.50 | 60 | Chas. Werner, wood | 39.50 |
| 27 | Royce & Marean, electric supplies | 34.00 | 61 | Jas. L. Barbour & Son, heating supplies | 4.15 |
| 28 | James B. Barbour & Son, heating supplies | 3.50 | 62 | Mutual District Messenger Co., rental call boxes | 10.00 |
| 29 | Pay roll, services | 405.00 | 63 | John K. Ward, heating supplies | 5.00 |
| 30 | Robert Leitch & Sons, heating supplies | 17.94 | 64 | J. E. Hurley, special services | 6.00 |
| 31 | Watson Lyon, special services | 7.00 | 65 | Pay roll, services | 400.50 |
| 32 | Chas. Werner, wood | 105.50 | 66 | Washington Gaslight Co., gas | 128.25 |
| 33 | The E. F. Brooks Co., heating supplies | 1.50 | 67 | Robt. Leitch & Sons, heating supplies | 6.00 |
| 34 | Washington Gaslight Co., gas | 114.00 | 68 | Mutual District Messenger Co., rental call boxes | 10.00 |
| | | | 69 | Geo. Ryneal, jr., heating supplies | 2.50 |
| | | | 70 | do | 8.75 |
| | | | 71 | Washington Gaslight Co., gas | 132.00 |
| | | | 72 | Pay roll, services | 399.00 |
| | Total disbursements heating and lighting National Museum, 1893 | | | | 12,159.97 |
| | Balance July 1, 1893 | | | | 840.03 |

Postage, July 1, 1892, to June 30, 1893.

RECEIPTS.

Appropriation by Congress for the fiscal year ending June 30, 1893, "for postage stamps and foreign postal cards for the National Museum."
(Sundry civil act, August 5, 1892) \$500.00

EXPENDITURES.

City post office for postage and postal cards 500.00

Appropriation all expended July 1, 1893.

20 EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

Detailed list of vouchers for expenditures from appropriation postage, National Museum, 1893, from July 1, 1892, to June 30, 1893.

| No. | Item of expenditure. | Amount. |
|-----|--|----------|
| 1 | Washington City post-office, foreign postal cards | \$20.00 |
| 2 | do | 10.00 |
| 3 | Washington City post-office, stamps and postal cards | 470.00 |
| | Total disbursements | \$500.00 |

Printing, July 1, 1892, to June 30, 1893.

RECEIPTS.

Appropriation by Congress for the fiscal year ending June 30, 1893,
 "for the Smithsonian Institution for printing labels and blanks and
 for the 'Bulletin' and volumes of the Proceedings of the National
 Museum." (Sundry civil act August 5, 1892)..... \$12,000.00

EXPENDITURES.

| | |
|---|------------|
| Bulletins, National Museum, Nos. 40, 43, 44, 45 | \$2,351.23 |
| Bulletins, National Museum, No. 39, extras | 155.05 |
| Bulletins, National Museum, special, Nos. 1 and 2 | 1,315.70 |
| Proceedings, National Museum, vols. 14, 15, 16 | 2,804.67 |
| Reports National Museum, extras | 2,228.40 |
| Lists, etc | 80.18 |
| Labels for specimens | 2,128.82 |
| Letter-heads, pads, and envelopes | 268.53 |
| Blanks | 230.05 |
| Record books | 48.22 |
| Electros | 7.00 |
| Congressional Records | 24.00 |
| Total expenditure | 11,641.85 |
| Balance July 1, 1893 | 358.15 |

Building—National Museum.

Balance July 1, 1892, as per last annual report..... \$525.36

EXPENDITURES.

From July 1, 1892, to June 30, 1893..... 522.53

Balance carried, under the provisions of the Revised Statutes,
 section 309, by the Treasury Department to the credit of the
 surplus fund, June 30, 1893..... 2.83

*Detailed list of expenditures from appropriation National Museum building, from
 July 1, 1892, to June 30, 1893.*

| No. | Item of expenditure. | Amount. |
|-----|--|----------|
| 6 | H. L. Cranford, artificial stone pavement | \$396.38 |
| 7 | do | 126.15 |
| | Total disbursements | 522.53 |
| | Balance carried to credit of surplus fund, Treasury Department | 2.83 |

Duties on articles imported for the National Museum.

| | |
|---|---------|
| Balance July 1, 1892, as per last annual report | \$58.25 |
| Paid direct by Treasury Department | 5.00 |

| | |
|--|-------|
| Balance carried, under the provisions of Revised Statutes, section 3090, by the Treasury Department to the credit of the surplus fund June 30, 1893..... | 53.25 |
|--|-------|

Preservation of collections, National Museum, 1892.

| | |
|--|------------|
| Balance as per last report, July 1, 1892 | \$8,818.14 |
|--|------------|

Expenditures to June 30, 1893:

| | | |
|------------------------|----------|----------|
| Salaries | \$440.00 | |
| Special services | 330.11 | |
| | | \$770.11 |
| Supplies | 337.50 | |
| Stationery | 375.80 | |
| Specimens | 6,220.23 | |
| Travel | 89.69 | |
| Freight | 593.30 | |
| Books | 414.46 | |
| | | 8,030.98 |

| | |
|---|----------|
| Total expenditure to June 30, 1893..... | 8,801.09 |
|---|----------|

| | |
|---|-------|
| Balance July 1, 1893, to meet outstanding liabilities | 17.05 |
|---|-------|

Total expenditures of the appropriation for preservation of collections, 1892.

[Appropriation, \$145,000.]

| | From July 1, 1891, to June 30, 1892. | From July 1, 1892, to June 30, 1893. | Total. |
|------------------|--|--|--------------|
| Salaries | \$122,751.43 | \$768.61 | \$123,520.04 |
| Supplies | 2,038.76 | 337.50 | 2,376.26 |
| Stationery | 842.79 | 375.80 | 1,218.59 |
| Specimens | 6,340.12 | 6,221.73 | 12,561.85 |
| Travel | 1,574.81 | 89.69 | 1,664.50 |
| Freight | 2,180.95 | 593.30 | 2,774.25 |
| Books | 453.00 | 414.46 | 867.46 |
| Total | 136,181.86 | 8,801.09 | 144,982.95 |
| Balance | 8,818.14 | 17.05 | 17.05 |

22 EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

Detailed list of disbursements from appropriation, preservation of collections National Museum, 1892, from July 1, 1892, to June 30, 1893.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|-----|---|----------------|-------|---|--------------|
| 632 | W. W. Rockhill, services..... | \$50.00 | 696 | Layyat Barakat, specimens.. | \$3.75 |
| 633 | J. C. McConnell, specimens.. | 249.00 | 697 | Tiffany & Co., special services.. | 1.50 |
| 634 | J. J. Williams, specimens..... | 12.00 | 698 | George Ryneal, jr., supplies..... | 7.98 |
| 635 | S. R. Koehler, services..... | 100.00 | 699 | Rowland A. Robbins, supplies..... | 12.34 |
| 636 | H. Gibb, services..... | 80.00 | 700 | Fred A. Schmidt, supplies..... | .30 |
| 637 | K. J. Bush, services..... | 60.00 | 701 | Joseph F. Sabin, specimens..... | 86.80 |
| 638 | Wm. Heddermann, services..... | 65.00 | 702 | Gloucester Net and Twine Co., supplies..... | 10.50 |
| 639 | Chas. Schuchert, services..... | 85.00 | 703 | Wash. B. Williams, supplies..... | 10.64 |
| 640 | A. D. Rahn, special services..... | 15.50 | 704 | Tschiffely & Evans, supplies..... | 7.73 |
| 641 | W. H. Kimball, travel..... | 5.50 | 705 | Wm. H. Teepe, supplies..... | 8.00 |
| 642 | W. H. Newhall, travel..... | 62.39 | 706 | Robt. Boyd, supplies..... | 1.20 |
| 643 | W. E. Safford, specimens..... | 350.00 | 707 | John C. Parker, supplies..... | 5.00 |
| 644 | Wash. Nailor Cab Co., special services..... | 3.50 | 708 | Z. D. Gilman, supplies..... | 13.83 |
| 645 | Adams Express Co., freight..... | 12.65 | 709 | Emmons S. Smith, supplies..... | 2.70 |
| 646 | M. E. Mann, books..... | 6.00 | 710 | Adams Express Co., freight..... | 55.00 |
| 647 | American Ice Co., supplies..... | 27.74 | 711 | American Ice Co., supplies..... | 42.86 |
| 648 | Wm. Ballantyne & Sons, books..... | 2.09 | 712 | J. Baumgarten & Son, sup- plies..... | .50 |
| 649 | Columbia Rwy. Co., supplies..... | 10.50 | 713 | Philadelphia Bureau of Press Clippings, books..... | 4.15 |
| 650 | W. Bartholomae, supplies..... | 3.05 | 714 | The Scott Stamp and Coin Co., specimens..... | 176.45 |
| 651 | Nixon Brewer, supplies..... | 1.63 | 715 | M. W. Beveridge, supplies..... | 1.00 |
| 652 | W. E. Benjamin, specimens..... | 129.00 | 716 | Lansburgh & Bro., supplies..... | .50 |
| 653 | D. Appleton & Co., specimens..... | 30.00 | 717 | M. G. Copeland, supplies..... | 4.43 |
| 654 | Dennison Manufacturing Co., supplies..... | 35.23 | 718 | F. P. May & Co., supplies..... | 18.43 |
| 655 | M. Woodhull, specimens..... | 3.00 | 719 | Barber & Ross, supplies..... | .85 |
| 656 | A. H. Brown, specimens..... | 1.12 | 720 | Easton & Rupp, stationery..... | 61.15 |
| 657 | Wyckoff, Seamans & Bene- dict, supplies, \$1.06; special services, \$3..... | 4.06 | 721 | E. Morrison Paper Co., sta- tionery..... | 184.68 |
| 658 | Wyckoff, Seamans & Bene- dict, supplies..... | 3.00 | 722 | The Columbia Phonograph Co., special services..... | 42.60 |
| 659 | Brentano's, books..... | 24.35 | 723 | G. E. Williams, special serv- ices..... | 10.00 |
| 660 | H. M. Colburn, specimens..... | 50.00 | 724 | F. A. Brockhaus, books..... | 30.12 |
| 661 | Mutual District Messenger Co., special services..... | 2.00 | 725 | Albert Schulz, books..... | 7.38 |
| 662 | do..... | 3.40 | 726 | Julius Neumann, specimens..... | 44.55 |
| 663 | Tiffany & Co., specimens..... | 250.00 | 727 | R. Wildman, specimens..... | 316.72 |
| 664 | Ward's Nat. Sci. Estb't., specimens..... | 500.00 | 728 | J. H. Chesley & Co., station- ery..... | 4.15 |
| 665 | People's Dispatch Co., freight..... | 5.81 | 729 | Leggat Bros., books..... | 24.96 |
| 666 | Japanese Trading Co., speci- mens..... | 127.60 | 730 | Chas. W. Richmond, speci- mens..... | 108.50 |
| 667 | Z. D. Waters, specimens..... | 100.00 | 731 | E. E. Howell, special serv- ices..... | 151.00 |
| 668 | Standard Sewing Machine Co., special services..... | 3.00 | 732 | Louis B. Grant, specimens..... | 51.92 |
| 669 | Washington Post Co., sup- plies..... | 10.00 | 733 | E. E. Howell, special serv- ices..... | 46.25 |
| 670 | Geological Survey of Amer- ica, books..... | 10.00 | 734 | A. E. Foote, books..... | 10.00 |
| 671 | Ira Godfrey, special services..... | 5.86 | 735 | J. C. McConnell, specimens..... | 80.15 |
| 672 | E. J. Pullman, supplies..... | 34.92 | 736 | Woodward & Lothrop, sup- plies..... | 1.65 |
| 673 | James H. McGill, supplies..... | 4.40 | 737 | Scott B. Williams, specimens..... | 24.75 |
| 674 | John Akhurst, supplies..... | 6.25 | 738 | Wm. Wesley & Son, speci- mens..... | 10.40 |
| 675 | M. A. Tappan, supplies..... | 22.90 | 739 | J. S. F. Huddleston, supplies..... | 9.00 |
| 676 | Washington Chronicle, sup- plies..... | 4.00 | 740 | Alfred Lemon & Co., speci- mens..... | 2,940.28 |
| 677 | John Wannamaker, speci- mens..... | 15.00 | 741 | Augustine Heard, specimens..... | 41.22 |
| 678 | F. B. Armstrong, specimens..... | 2.00 | 742 | P. L. Jouy, freight..... | 3.78 |
| 679 | W. H. Lowdermilk & Co., speci- mens..... | 44.00 | 743 | Wm. Wesley & Son, books..... | 9.41 |
| 680 | Ferd. Keller, specimens..... | 50.00 | 743 a | Pennsylvania R. R. Co., freight do..... | 2.35 1.09 |
| 681 | S. Springmann, freight..... | .50 | 743 c | do..... | 20.01 |
| 682 | Geo. Ryneal, jr., supplies..... | 9.09 | 743 d | Baltimore and Ohio R. R. Co., freight..... | 4.41 |
| 683 | E. G. Wheeler, supplies..... | 2.10 | 743 e | do..... | 49.04 |
| 684 | U. S. Express Co., freight..... | 69.05 | 743 f | do..... | .98 |
| 685 | Geo. W. Knox Express, freight do..... | 56.42 39.64 | 743 g | do..... | 8.73 |
| 686 | George F. Kunz, specimens..... | 125.00 | 743 h | Baltimore and Ohio R. R. Co., travel..... | 6.00 |
| 687 | F. A. Brockhaus, books..... | 243.40 | 743 i | Missouri Pacific R. R. Co., freight..... | 8.47 |
| 688 | Erdman & Schanz, specimens..... | 9.63 | 743 j | do..... | 2.05 |
| 689 | John C. Brown, freight..... | 33.43 | 743 k | Texas and Pacific R. R. Co., freight..... | 1.08 |
| 690 | Wm. Wesley & Son, books..... | 23.58 | 743 l | Harrie H. Briggs, freight..... | 5.93 |
| 691 | Wm. Wesley & Son, books..... | 19.02 | 743 m | do..... | 2.80 |
| 692 | W. T. Marshall, special serv- ices..... | 42.50 | 743 n | Union Pacific R. R. Co., freight..... | 4.65 |
| 693 | Chas. F. Beecher, supplies..... | 2.19 | | | |
| 694 | Wm. Ballantyne & Sons, sta- tionery..... | 125.82 | | | |

Detailed list of disbursements from appropriation, preservation of collections National Museum, 1892, from July 1, 1892, to June 30, 1893—Continued.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|-------|---|---------|-------|---|----------|
| 743 o | Union Pacific R. R. Co | \$49.84 | 745 d | Southern Pacific R. R. Co., freight | \$0.84 |
| 743 p | do | 19.47 | 745 e | do | 35.43 |
| 743 q | do | 1.40 | 744 f | do | 1.74 |
| 743 r | Atchison, Topeka and Santa Fe R. R. Co., freight | 10.95 | 745 g | do | 12.61 |
| 743 s | Missouri Pacific R. R. Co., freight | 3.48 | 745 h | Baltimore and Potomac R. R. Co., freight | .72 |
| 743 t | New Mexico and Arizona R. R. Co., freight | .25 | 745 i | Fremont, Elkhorn and Missouri Valley R. R. Co., freight | 1.26 |
| 743 u | Chicago, Rock Island and Pacific R. R. Co., freight | 3.64 | 745 j | Chicago, Rock Island and Pacific R. R. Co., freight | .95 |
| 743 v | do | 5.40 | 745 k | do | .43 |
| 744 | Chas. K. Worthen, specimens | 137.00 | 745 l | do | .50 |
| 745 | Bruno Geisler, specimens | 150.39 | 745 m | Pennsylvania R. R. Co., travel | 10.00 |
| 745 a | Atlantic and Pacific R. R. Co., freight | 54.55 | 745 n | Chicago, Mil. & St. Paul R. R. Co., freight | .72 |
| 745 b | Southern Pacific R. R. Co., freight | 1.85 | | | |
| 745 c | Southern Pacific R. R. Co., travel | 6.00 | | | 8,801.29 |
| | Less amount disallowed in vouchers No. 109, 10 cents and No. 642, 10 cents | | | | .20 |
| | Total disbursements, Preservation of Collections, National Museum 1892, from July 1, 1892, to June 30, 1893 | | | | 8,801.09 |
| | Balance July 1, 1893 | | | | 17.05 |

Furniture and fixtures, National Museum, 1892.

| | |
|---|------------|
| Balance, July 1, 1892, as per last annual report | \$3,300.37 |
| Expenditures from July 1, 1892, to June 30, 1893: | |
| Cases | \$1,778.00 |
| Drawers, trays, etc | 56.05 |
| Frames | 166.50 |
| Glass | 1,038.14 |
| Hardware | 43.88 |
| Tools | 19.48 |
| Cloth, etc | 8.00 |
| Glass jars | 22.29 |
| Lumber | 47.97 |
| Office furniture | 6.00 |
| Metals | 2.94 |
| Rubber and leather | 13.32 |
| Apparatus | 36.32 |
| Travel | 3.70 |
| Special service | 30.00 |
| Total expenditure | 3,272.59 |
| Balance July 1, 1893, to meet outstanding liabilities | 27.78 |

Total expenditures of the appropriation for furniture and fixtures, 1892.

[Appropriation, \$25,000.]

| | From July 1, 1891, to June 30, 1892. | From July 1, 1892, to June 30, 1893. | Total. |
|-----------------------------|---|---|-------------|
| Salaries or wages | \$13,973.77 | \$30.00 | \$14,003.77 |
| Exhibition cases | 350.00 | 1,778.00 | 2,128.00 |
| Drawings for cases | 15.00 | | 15.00 |
| Drawers, trays, boxes | 543.72 | 56.05 | 599.77 |
| Frames, stands, etc | 169.50 | 166.50 | 336.00 |
| Glass | 281.75 | 1,038.14 | 1,319.89 |
| Hardware | 1,016.95 | 43.88 | 1,060.83 |
| Tools | 45.59 | 19.48 | 65.07 |
| Cloth, cotton, etc | 63.05 | 8.00 | 71.05 |
| Glass jars | 1,062.97 | 22.29 | 1,085.26 |
| Lumber | 1,660.21 | 47.97 | 1,708.18 |
| Paints, oils, brushes | 499.70 | | 499.70 |
| Office furniture | 765.00 | 6.00 | 771.00 |
| Metals | 367.14 | 2.94 | 370.08 |
| Rubber and leather | 122.28 | 13.32 | 135.60 |
| Apparatus | 129.00 | 36.32 | 165.32 |
| Travel | 2.00 | 3.70 | 5.70 |
| Plumbing | 632.00 | | 632.00 |
| Total | 21,699.63 | 3,272.59 | 24,972.22 |
| Balance | 3,300.37 | 27.78 | 27.78 |

Detailed list of disbursements from appropriation Furniture and fixtures, National Museum, 1892, from July 1, 1892, to June 30, 1893.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|--|--|----------|-----|---|----------|
| 142 | J. E. Watkins, travel | \$3.70 | 153 | Woodward & Lothrop, cloth, etc | \$8.00 |
| 143 | W. D. Doremus, special services | 2.50 | 154 | Irving Buck, storage cases | 324.00 |
| 144 | Whitall, Tatum & Co., glass jars | 22.29 | 155 | Irving Buck, exhibition cases | 700.00 |
| 145 | Robt. Leitch & Sons, tools, \$0.75; hardware, \$3.70 | 4.45 | 156 | J. H. Chesley & Co., tin, lead, etc., \$2.94: hardware, \$8.50 | 11.44 |
| 146 | L. H. Schneider's Son, tools, \$0.55: hardware, \$30.81 | 31.36 | 157 | Irving Buck, wall cases | 140.00 |
| 147 | Holbrook Bros., glass | 1,038.14 | 158 | William & Hanks, leather goods | 13.32 |
| 148 | Church & Stephenson, lumber | 47.97 | 159 | Jordon & McLeod, apparatus | 8.82 |
| 149 | Jesse Jones & Co., drawers, trays, etc | 56.05 | 160 | J. F. Hurley, special services, \$27.50: apparatus, \$27.50 | 55.00 |
| 150 | Albert Pitney, tools | 13.58 | 161 | Irving Buck, frames, etc | 166.50 |
| 151 | J. W. Boteler & Son, office fur- niture | 6.00 | 162 | John C. Knipp & Co., exhibition cases | 614.00 |
| 152 | L. H. Schneider's Son, tools, \$2.60: hardware, \$0.87 | 3.47 | 163 | Barber & Ross, tools | 2.00 |
| Total disbursements, Furniture and fixtures, National Museum, 1892 | | | | | 3,272.59 |
| Balance July 1, 1893 | | | | | 27.78 |

Heating, lighting, etc., National Museum, 1892.

| | |
|--|----------|
| Balance, as per last report, July 1, 1892 | \$486.44 |
| Expenditure to June 30, 1893: | |
| Special services | \$3.00 |
| Gas | 89.00 |
| Telephone | 201.55 |
| Electric work | 15.00 |
| Electric supplies | 14.44 |
| Rent of call boxes | 20.00 |
| Heating supplies | 81.57 |
| New boilers | 60.00 |
| Total expenditure | 484.56 |
| Balance to meet outstanding liabilities July 1, 1893 | 1.88 |

Total expenditures of the appropriation for heating and lighting, etc., 1892.

[Appropriation, \$15,000.]

| | Expenditures. | | |
|----------------------------|---|---|------------|
| | From July 1, 1891, to June 30, 1892. | From July 1, 1892, to June 30, 1893. | Total. |
| Wages | \$5,238.93 | \$3.00 | \$5,241.93 |
| Coal and wood | 3,365.85 | | 3,365.85 |
| Gas | 1,360.51 | 89.00 | 1,449.51 |
| Telephone | 622.65 | 201.55 | 824.20 |
| Electric work | 37.00 | 15.00 | 52.00 |
| Electric supplies | 87.53 | 14.44 | 101.97 |
| Rental of call-boxes | 100.00 | 20.00 | 120.00 |
| Heating repairs | 329.00 | | 329.00 |
| Heating supplies | 433.62 | 81.57 | 515.19 |
| New boilers | 2,938.47 | 60.00 | 2,998.47 |
| Total | 14,513.56 | 484.56 | 14,998.12 |
| Balance | 486.44 | 1.88 | 1.88 |

Detailed list of disbursements from appropriation, heating, lighting, etc., National Museum, 1892, from July 1, 1892, to June 30, 1893.

| No. | Items of expenditure. | Amount. |
|-----|--|---------|
| 86 | Washington Gaslight Co., gas | \$89.00 |
| 87 | Washington Gaslight Co., special services | 3.00 |
| 88 | Mutual District Messenger Co., rental call boxes | 10.00 |
| 89 | do | 10.00 |
| 90 | Chesapeake and Potomac Telephone Co., telephones | 201.55 |
| 91 | Royce & Marean, electric work | 15.00 |
| 92 | Robt. Leitch & Sons, supplies | .58 |
| 93 | E. G. Wheeler, electrical supplies, \$2.69; heating supplies, \$1.29 | 3.98 |
| 94 | Geo. W. Dant, services, special | 60.00 |
| 95 | J. L. Barbour & Son, supplies | 4.70 |
| 96 | Royce & Marean, electrical supplies | 11.75 |
| 97 | Robt. Leitch & Sons, heating supplies | 51.00 |
| 98 | John K. Ward, supplies | 17.50 |
| 99 | Robt. Leitch & Sons, supplies | 6.50 |
| | Total disbursements, heating and lighting, National Museum, 1892 | 484.56 |
| | Balance July 1, 1893 | 1.88 |

SMITHSONIAN INSTITUTION BUILDING—REPAIRS.

Receipts:

| | |
|---|-------------|
| Balance July 1, 1892, as per last annual report | \$11,861.08 |
| Expenditures from July 1, 1892, to June 30, 1893: | |
| Building material, lime, cement, etc | \$317.36 |
| Carting | 138.50 |
| Glass | 22.80 |
| Hardware | 16.03 |
| Miscellaneous | 25.00 |
| Moving workshop (contract) | 115.00 |
| Paints, oils, etc | 77.50 |
| Pipes and cutters | 408.66 |
| Roofing | 263.45 |
| Slate-work | 356.00 |
| Services | 2,034.16 |
| Total expenditure, July 1, 1892, to June 30, 1893 | 3,774.46 |
| Balance July 1, 1893 | 8,086.62 |

Detailed list of disbursements made by William W. Karr, disbursing clerk Smithsonian Institution, from Smithsonian Institution building, repairs from July 1, 1892 to June 30, 1893.

| No. | Items of expenditure. | Amount. | No. | Items of expenditure. | Amount. |
|---|---|---------|-----|---|----------|
| 85 | Church & Stephenson, lumber | 12.36 | 103 | B. F. Guy & Co., repairing roof | 183.45 |
| 86 | E. G. Wheeler, hardware, etc. | 8.02 | 104 | Maria Green, cartage | 34.50 |
| 87 | W. H. Butler, paints, oils, glass etc. | 77.50 | 105 | Daniel Shanahan, cement and sand | 46.00 |
| 88 | Albert Ports, services | 28.50 | 106 | Pay roll, services | 336.65 |
| 89 | do. | 39.00 | 107 | Maria Green, cartage | 39.75 |
| 90 | W. J. Mount, corbels | 6.00 | 108 | Pay roll, services | 405.30 |
| 91 | Thos. W. Smith, sash | 15.00 | 109 | Daniel Shanahan, cement and sand | 47.00 |
| 92 | Chas. E. Hodgkin, glass | 22.80 | 110 | Maria Green, cartage | 23.50 |
| 93 | Maria Green, cartage | 17.00 | 111 | B. F. Guy & Co., repairing roof, etc. | 249.91 |
| 94 | Pay roll, services | 69.75 | 112 | James Regan, down spouts, etc. | 158.75 |
| 95 | Caleb L. Saers, moving work shop | 115.00 | 113 | S. H. Bodfish, running levels | 10.00 |
| 96 | Maria Green, cartage | 23.75 | 114 | Pay roll, services | 359.65 |
| 97 | Daniel Shanahan, sand, lime, and cement | 22.70 | 115 | E. G. Wheeler, hardware, etc. | 8.01 |
| 98 | Pay roll, services | 217.38 | 116 | Joseph Fanning, stone steps | 113.80 |
| 99 | A. N. Hartman, slate work | 150.00 | 117 | Charles Ford, bricks | 75.50 |
| 100 | Maria Green, cartage | 19.00 | 118 | A. L. Wolfsteiner & Co., cop- per combing | 80.00 |
| 101 | A. N. Hartman, slate work | 206.00 | 119 | Pay roll, services | 301.10 |
| 102 | Pay roll, services | 262.83 | | | |
| Total disbursements Smithsonian Institution building, repairs | | | | | 3,774.46 |
| Balance July 1, 1893 | | | | | 8,086.62 |

ASTRO-PHYSICAL OBSERVATORY—SMITHSONIAN INSTITUTION, 1893.

RECEIPTS.

Appropriation by Congress "for the maintenance of the Astro-Physical Observatory under the direction of the Smithsonian Institution, including salaries of assistants, apparatus, and miscellaneous expenses," (sundry civil act, August 5, 1892.) \$10,000.00

EXPENDITURES FROM JULY 1, 1892, TO JUNE 30, 1893.

Salaries or compensation:

| | |
|--|----------|
| 1 senior assistant, 2½ months, at \$200 | \$500.00 |
| 1 senior assistant, 8 months, at \$200, \$1,600; 22 days, at \$200, \$141.94 | 1,741.94 |
| 1 assistant, 15 days, at \$166.66, \$80.64; 15 days, at \$166.66, \$80.64; 10 days, at \$166.66, \$53.76; 2 months, at \$166.66, \$333.32 | 548.36 |
| 1 assistant, 10 days, at \$116.66, \$37.63; 1 month, at \$116.66, \$116.66 | 154.29 |
| 1 aid, 15 days, at \$40, \$19.35; 15 days, at \$40, \$19.35 | 38.70 |
| 1 photographer, 6 months, at \$40, \$240; 19 days, at \$40, \$24.52 | 264.52 |
| 1 photographer, 1½ months, at \$150, \$225; 11 days, at \$150, \$55 | 280.00 |
| 1 clerk, 3 months, \$50, \$150; 11 days, at \$50, \$17.74 | 167.74 |
| 1 copyist, 19 days, at \$35, \$21.45; 1 month, at \$35, \$35 | 56.45 |
| 1 instrument-maker, 14 days, at \$83.33, \$38.34; 7 days, at \$83.33, \$19.44; 4 days, at \$83.33, \$10.75; 5½ days, at \$83.33, \$15.27; ½ month, at \$83.33, \$41.67 | 125.47 |
| 1 instrument-maker, 15 days, at \$60, \$29.03; 16 days, at \$60, \$30.97; 11 days, at \$60, \$21.29 | 81.29 |
| 1 instrument-maker, 8 months, at \$60 | 480.00 |

Salaries or compensation—Continued.

| | |
|---|---------|
| 1 janitor, 22 days, at \$40, \$28.39; $\frac{1}{2}$ month, at \$40, \$20----- | \$48.39 |
| 1 stenographer, 10 hours, at 50 cents----- | 5.00 |
| 1 carpenter, 5 days, at \$91, \$14.68; $7\frac{1}{2}$ days, at \$91, \$22.02; 8 days, at \$91, \$23.48; 2 days, at \$91, \$6.07; $\frac{1}{2}$ month, at \$91, \$45.50----- | 111.75 |
| 1 carpenter, $2\frac{1}{2}$ days, at \$3, \$7.50; 90.3 hours, at \$37.50, \$33.86----- | 41.36 |
| 1 carpenter, $16\frac{1}{2}$ days, at \$3----- | 49.50 |
| 1 carpenter, $19\frac{1}{2}$ days, at \$3----- | 57.75 |
| 1 laborer, $4\frac{1}{2}$ months, at \$50----- | 225.00 |

Total salaries or compensation----- \$4,977.51

General expenses:

| | |
|----------------------------------|-----------------|
| Apparatus and appliances----- | \$2,923.46 |
| Drawings----- | 524.75 |
| Freight----- | 71.05 |
| Lumber----- | 49.06 |
| Miscellaneous supplies----- | 698.12 |
| Office furniture----- | 48.00 |
| Postage and telegraph----- | 6.71 |
| Plumbing and gas-fitting----- | 5.90 |
| Reference books and binding----- | 234.64 |
| Stationery----- | 57.76 |
| Travelling expenses----- | 136.08 |
| | <u>4,755.53</u> |

Total expenditure, July 1, 1892, to June 30, 1893----- \$9,733.04

Balance July 1, 1893, to meet outstanding liabilities----- 266.96

Detailed list of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from appropriation Astro-Physical Observatory, Smithsonian Institution, 1893, from July 1, 1892, to June 30, 1893.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|-----|--|---------|-----|---|----------|
| 1 | Wm. Bauman, jr., drawings.... | \$48.75 | 33 | Wm. Hallock, services..... | \$100.00 |
| 2 | D. M. Hess, services..... | 29.03 | 34 | Thomas Watkins, services..... | 25.00 |
| 3 | F. L. O. Wadsworth, services..... | 80.64 | 35 | Adams Express Co., freight..... | 2.30 |
| 4 | Thomas Watkins, services..... | 24.19 | 36 | John S. O'Hare, services..... | 19.35 |
| 5 | Wm. Hallock, services..... | 96.77 | 37 | E. J. Pullman, supplies..... | 21.02 |
| 6 | Wm. Bauman, jr., drawings..... | 47.75 | 38 | Washington City post-office, postage..... | 5.00 |
| 7 | F. L. O. Wadsworth, services..... | 80.64 | 39 | Wm. Hallock, services..... | 100.00 |
| 8 | Melville Lindsay, supplies..... | 1.50 | 40 | Thos. Watkins, services..... | 25.00 |
| 9 | D. M. Hess, services..... | 30.97 | 41 | C. B. Nichols, services..... | 7.50 |
| 10 | Thomas Watkins, services..... | 25.81 | 42 | Jno. S. O'Hare, services..... | 19.35 |
| 11 | Wm. Hallock, services..... | 103.23 | 43 | S. P. Langley, travel..... | 9.73 |
| 12 | Della M. Snider, supplies..... | .75 | 44 | Thos. Watkins, services..... | 25.00 |
| 13 | D. M. Hess, services..... | 21.29 | 45 | C. B. Nichols, services..... | 33.86 |
| 14 | Thomas Watkins, services..... | 25.00 | 46 | Church & Stephenson, lumber..... | 6.92 |
| 15 | Wm. Hallock, services..... | 100.00 | 47 | L. H. Schneider's Son, hardware..... | 2.35 |
| 16 | Wm. Bauman, jr., drawings..... | 51.00 | 48 | Thomas Watkins, services..... | 25.00 |
| 17 | R. L. Reed, services..... | 14.68 | 49 | R. L. Reed, services..... | 22.02 |
| 18 | Royce & Marean, apparatus..... | 33.15 | 50 | Draper Hall Stable Co., carriagehire..... | 6.00 |
| 19 | Z. D. Gilman, supplies..... | 1.60 | 51 | Boston Cab Co., carriage hire..... | 5.00 |
| 20 | Easton & Rupp, stationery..... | 2.70 | 52 | Adams Express Co., freight..... | 4.65 |
| 21 | Washington Gaslight Co., gas..... | .50 | 53 | Geo. W. Knox Express, freight..... | 8.43 |
| 22 | Fred A. Schmidt, stationery..... | 2.50 | 54 | F. L. O. Wadsworth, services..... | 387.08 |
| 23 | Henry J. Green, apparatus..... | 2.65 | 55 | John S. O'Hare, services..... | 24.52 |
| 24 | L. H. Schneider's Son, supplies..... | 7.92 | 56 | Thomas Watkins, services..... | 25.00 |
| 25 | do..... | .85 | 57 | Stephen H. Baker, services..... | 25.39 |
| 26 | Robt. Leitch & Sons, supplies..... | 1.80 | 58 | F. L. O. Wadsworth, services..... | 141.94 |
| 27 | Geo. W. Knox Express, freight..... | .32 | 59 | John A. Brashear, apparatus..... | 89.90 |
| 28 | Wm. Ballantyne & Sons, stationery..... | 5.40 | 60 | F. L. O. Wadsworth, apparatus..... | 94.78 |
| 29 | Wm. H. Butler, supplies..... | 1.50 | 61 | Wm. Bowman, jr., drawings..... | 71.25 |
| 30 | J. B. Chamberlain & Co., supplies..... | 3.00 | 62 | R. L. Reed, services..... | 23.48 |
| 31 | L. H. Schneider's Son, supplies..... | 14.10 | 63 | W. B. Moses & Sons, curtains..... | 23.45 |
| 32 | Wm. Bauman, jr., drawings..... | 55.00 | | | |

Detailed list of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from appropriation Astro-Physical Observatory, Smithsonian Institution, 1893, from July 1, 1892, to June 30, 1893—Continued.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|-----|-------------------------------------|---------|-----|--|---------|
| 64 | Wm. H. Butler, glass | \$2.00 | 138 | Western Union Telegraph Co., cablegram | \$1.71 |
| 65 | Eastman Kodak Co., films | 24.00 | 139 | H. C. Dimond & Co., stamp | 4.00 |
| 66 | Z. D. Gilman, cylinder | 1.00 | 140 | F. L. O. Wadsworth, services | 100.00 |
| 67 | Stephen H. Baker, services | 20.00 | 141 | Andrew Kramer, services | 30.00 |
| 68 | R. L. Reed, services | 45.50 | 142 | Robt. Letch & Sons, apparatus | 18.52 |
| 69 | Wm. Bauman, jr., drawings | 46.25 | 143 | Frank E. Gass, services | 5.00 |
| 70 | Thomas Watkins, services | 25.00 | 144 | A. Brenner, services | 6.00 |
| 71 | Andrew Kramer, services | 30.00 | 145 | E. J. Pullman, supplies | 29.50 |
| 72 | J. E. Hurley, brass bolts, etc. | 3.60 | 146 | Ernest Kubel, services | 49.75 |
| 73 | Keuffel & Esser Co., boxwood rulers | 9.60 | 147 | The Scovill & Adams Co., apparatus | 115.20 |
| 74 | Washington Gaslight Co., gas | .25 | 148 | Royce & Marean, apparatus | 17.75 |
| 75 | S. P. Langley, travel | 15.75 | 149 | E. Morrison Paper Co., stationery | .60 |
| 76 | John C. Parker, stationery | 8.00 | 150 | Franklin & Co., apparatus | 1.75 |
| 77 | Wm. H. Arneith, apparatus | 1.25 | 151 | Fred A. Schmidt, thumb tacks | .72 |
| 78 | Royce & Marean, apparatus | 10.75 | 152 | Jas. W. Queen & Co., wire | .50 |
| 79 | F. L. O. Wadsworth, services | 200.00 | 153 | S. S. Shedd & Bro., gas pipe, etc | 8.70 |
| 80 | John S. O'Hare, services | 40.00 | 154 | Geo. Ryneal, jr., supplies | 5.14 |
| 81 | Andrew Kramer, services | 30.00 | 155 | L. H. Schneider's Son, supplies | 20.59 |
| 82 | R. L. Reed, services | 6.07 | 156 | Washington Gaslight Co., gas | .50 |
| 83 | Wm. Bauman, jr., drawings | 31.45 | 157 | Jno. S. O'Hare, services | 40.00 |
| 84 | S. P. Langley, travel | 3.25 | 158 | Andrew Kramer, services | 30.00 |
| 85 | Wm. H. Butler, mirror | 4.25 | 159 | F. L. O. Wadsworth, services | 100.00 |
| 86 | Z. D. Gilman, supplies | 2.80 | 160 | A. C. Irvine, services | 35.00 |
| 87 | Adams Express Co., freight | 1.85 | 161 | A. J. Wilkerson & Co., tools | 10.03 |
| 88 | Geo. W. Knox Express, freight | 5.90 | 162 | Westinghouse Electric and Manufacturing Co., apparatus | 155.00 |
| 89 | Kane & Roache, gasfitting | 5.15 | 163 | Browning & Middleton, supplies | .10 |
| 90 | L. H. Schneider's Son, hardware | 1.00 | 164 | W. H. Butler, glass | 3.30 |
| 91 | Washington Gaslight Co., gas | 20.00 | 165 | F. L. O. Wadsworth, services | 100.00 |
| 92 | John S. O'Hare, services | 30.00 | 166 | Andrew Kramer, services | 30.00 |
| 93 | Andrew Kramer, services | 100.00 | 167 | A. Brenner, services | 4.50 |
| 94 | F. L. O. Wadsworth, services | 2.03 | 168 | John K. Ward, apparatus | 9.38 |
| 95 | Fred. A. Schmidt, supplies | 205.00 | 169 | Adams Express Co., freight | .65 |
| 96 | Hill, Clarke & Co., apparatus | 50.00 | 170 | M. E. Kahler, apparatus | 30.25 |
| 97 | C. C. Hutchins, quartz fibers | 75.50 | 171 | James B. Lambie, supplies | 120.75 |
| 98 | Wm. Bauman, jr., drawings | 48.00 | 172 | E. J. Pullman, supplies | 14.13 |
| 99 | J. B. Hammond, white pine cases | .25 | 173 | People's Dispatch Co., freight | 1.30 |
| 100 | Joseph Mace, freight | 2.58 | 174 | Z. D. Gilman, supplies | 17.10 |
| 101 | F. P. May & Co., hardware | 1.12 | 175 | United States Express Co., freight | .25 |
| 102 | Robt. Letch & Sons, castings | .90 | 176 | Eastman Kodak Co., supplies | 27.60 |
| 103 | Chas. H. Pleasants, glue | 2.50 | 177 | Peter A. Frasse & Co., apparatus | 327.93 |
| 104 | Geo. Viehmann & Son, block stone | 20.00 | 178 | Elmer & Amend, supplies | 1.49 |
| 105 | Jno. S. O'Hare, services | 30.00 | 179 | Ernest Kubel, apparatus | 8.10 |
| 106 | Andrew Kramer, services | 100.00 | 180 | Geo. W. Knox Express, freight | .30 |
| 107 | F. L. O. Wadsworth, services | 33.15 | 181 | George Maier, building | 76.10 |
| 108 | S. P. Langley, travel | 13.16 | 182 | Adams Express Co., freight | .75 |
| 109 | James W. Queen & Co., apparatus | .75 | 183 | Geo. W. Knox Express, freight | 2.65 |
| 110 | Washington Gaslight Co., gas | 1.65 | 184 | Moore & Leding, apparatus | 1.00 |
| 111 | United States Express Co., freight | 1.30 | 185 | United States Express Co., freight | .70 |
| 112 | Adams Express Co., freight | 53.75 | 186 | W. F. Roberts, stationery | 2.75 |
| 113 | Wm. Bauman, jr., drawings | 30.00 | 187 | J. B. Clayton, services | 17.74 |
| 114 | Andrew Kramer, services | 39.00 | 188 | A. C. Irvine, services | 21.45 |
| 115 | A. Breunier, services | 19.09 | 189 | Andrew Kramer, services | 30.00 |
| 116 | Church & Stephenson, lumber | 16.61 | 190 | John S. O'Hare, services | 40.00 |
| 117 | do | 100.00 | 191 | F. L. O. Wadsworth, services | 100.00 |
| 118 | F. L. O. Wadsworth, services | 63.60 | 192 | John A. Brashear, apparatus | 130.25 |
| 119 | John A. Brashear, apparatus | 8.10 | 193 | S. P. Langley, travel | 26.75 |
| 120 | Easton & Rupp, stationery | 391.92 | 194 | Wm. L. Spieden, drawings | 24.00 |
| 121 | Francis J. Hill, apparatus | 6.00 | 195 | Joseph Ludewig, services | 38.34 |
| 122 | Melville Lindsay, supplies | 2.50 | 196 | Church & Stephenson, lumber | 4.68 |
| 123 | J. Karr, supplies | 4.00 | 197 | Geo. White & Sons, apparatus | 8.00 |
| 124 | Judd & Detweiler, printing | 4.95 | 198 | Z. D. Gilman, supplies | 2.55 |
| 125 | Wm. Wesley & Son, books | 1.60 | 199 | Geo. Ryneal, jr., supplies | 2.10 |
| 126 | do | 92.19 | 200 | James B. Lambie, supplies | 1.20 |
| 127 | Louis P. Casella, thermometers | 100.00 | 201 | L. H. Schneider's Son, supplies | 5.22 |
| 128 | F. L. O. Wadsworth, services | 30.00 | 202 | F. A. Brockhaus, books | 143.11 |
| 129 | Andrew Kramer, services | 20.00 | 203 | Wm. Wesley & Son, stationery | 17.78 |
| 130 | John S. O'Hare, services | 20.00 | 204 | F. L. O. Wadsworth, services | 100.00 |
| 131 | do | 15.76 | 205 | Joseph Ludewig, services | 19.44 |
| 132 | Geo. W. Knox Express, freight | 31.25 | 206 | J. B. Clayton, services | 25.00 |
| 133 | M. E. Kahler, apparatus | 1.88 | 207 | Andrew Kramer, services | 30.00 |
| 134 | Leggat Bros., books | 53.40 | 208 | J. G. Hubbard, services | 55.00 |
| 135 | Eastman Kodak Co., apparatus | 27.50 | 209 | W. C. Winlock, travel | 3.25 |
| 136 | Fauth & Co., apparatus | 1.25 | 210 | Washington Gaslight Co., gas | 1.25 |
| 137 | Geo. Maier, binding | 1.25 | 211 | A. J. Wilkinson & Co., supplies | 26.42 |

Detailed list of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from appropriation Astro-Physical Observatory, Smithsonian Institution, 1893, from July 1, 1892, to June 30, 1893—Continued.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|--|--|---------|-----|--|----------|
| 212 | Elmer & Amend, supplies | \$3.81 | 244 | Lansburgh & Bro., supplies | \$2.25 |
| 213 | Peter A. Frasse & Co., supplies | 1.12 | 245 | R. W. Ryan, services | 33.00 |
| 214 | M. E. Kahler, apparatus | 19.25 | 246 | Pay roll, services | 213.33 |
| 215 | Fauth & Co., apparatus | 54.75 | 247 | Oelrichs & Co., freight | 2.63 |
| 216 | J. G. Hubbard, services | 75.00 | 248 | Wm. Grunow, apparatus | 151.00 |
| 217 | F. L. O. Wadsworth, services | 100.00 | 249 | Akron Iron Co., apparatus | 31.17 |
| 218 | Andrew Kramer, services | 30.00 | 250 | Pettit & Dripps, castings | 2.60 |
| 219 | J. B. Clayton, services | 25.00 | 251 | Goodnow & Wrightman, appa- ratus | 2.60 |
| 220 | Jno. S. O'Hare, services | 40.00 | 252 | Judd & Detweiler, printing | 9.00 |
| 221 | Joseph Ludewig, services | 41.67 | 253 | Queen & Co., apparatus | 18.00 |
| 222 | Boston Cab Co., carriage hire | 5.00 | 254 | Brown & Sharpe Manufactur- ing Co., apparatus | 8.10 |
| 223 | Akron Iron Co., apparatus | 13.85 | 255 | B. F. Stevens, books | 7.00 |
| 224 | Royce & Marean, apparatus | 123.20 | 256 | E. J. Pullman, supplies | 115.35 |
| 225 | S. C. Raub, supplies | 1.50 | 257 | Robt. Leitch & Sons, supplies | 9.48 |
| 226 | E. J. Pullman, supplies | 17.45 | 258 | L. H. Schneider's Son, supplies | 3.70 |
| 227 | Eastman Kodak Co., supplies | 30.00 | 259 | Melville Lindsay, supplies | 1.56 |
| 228 | O. L. Wolfsteiner & Co, appa- ratus | 7.00 | 260 | James B. Lambie, supplies | 12.85 |
| 229 | The Akron Electrical Manufac- turing Co., apparatus | 65.00 | 261 | Z. D. Gilman, supplies | 13.35 |
| 230 | Carpenter Enamel Rheostat Co., apparatus | 22.90 | 262 | R. W. Ryan, services | 24.75 |
| 231 | Pay roll, services | 240.75 | 263 | Pay roll, services | 228.60 |
| 232 | Z. D. Gilman, supplies | 13.70 | 264 | Church & Stephenson, lumber | 1.76 |
| 233 | Easton & Rupp, stationery | 1.18 | 265 | Easton & Rupp, stationery | 2.40 |
| 234 | Robt. Leitch & Sons, castings | 1.80 | 266 | Geo. W. Knox Express, freight | 2.56 |
| 235 | F. P. May & Co., supplies | 10.26 | 267 | Z. D. Gilman, supplies | 2.00 |
| 236 | Geo. Ryneal, Jr., tools, etc | 4.00 | 268 | Fred A. Schmidt, supplies | 3.20 |
| 237 | Wm. H. Butler, gears, etc | 1.24 | 269 | F. P. May & Co., apparatus | .25 |
| 238 | John A. Brashear, apparatus | 63.95 | 270 | W. G. Metzgerott & Co., appa- ratus | .25 |
| 239 | Nalder Bros. & Co., apparatus | 238.62 | 271 | Wm. L. Spelden, drawings | 4.00 |
| 240 | Pay roll, services | 230.00 | 272 | Melville Lindsay, supplies | 2.82 |
| 241 | Chas. T. Child, services | 37.63 | 273 | L. H. Schneider's Son, sup- plies | 6.35 |
| 242 | United States Express Co., freight | 1.20 | 274 | Washington Gaslight Co., gas | 2.50 |
| 243 | Adams Express Co., freight | 18.75 | 275 | M. E. Kahler, apparatus | 37.33 |
| Total disbursements Astro-Physical Observatory, Smithsonian Institu- tion, 1893 | | | | | 9,733.04 |
| Balance July 1, 1893 | | | | | 266.96 |

ASTRO-PHYSICAL OBSERVATORY—SMITHSONIAN INSTITUTION, 1892.

Balance July 1, 1892, as per last annual report..... \$1,156.39
Expenditures, July 1, 1892, to June 30, 1893:

| | |
|-------------------------|----------|
| Apparatus | \$634.76 |
| Drawings | 38.25 |
| Freight | 11.53 |
| Printing and stationery | 4.00 |
| Reference books | 336.71 |
| Salaries | 30.00 |
| Supplies | 22.60 |
| Tools and implements | 41.51 |

Total expenditure, July 1, 1892, to June 30, 1893..... 1,119.36

Balance July 1, 1893, to meet outstanding liabilities..... 37.03

*Abstract of disbursements from appropriation Astro-Physical Observatory, 1892,
from July 1, 1892, to June 30 1893.*

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|-----|---|----------|-----|---------------------------------------|------------|
| 199 | Wm. Baumann, jr., drawings.. | \$38. 25 | 214 | Washington Gaslight Co., gas .. | \$0. 50 |
| 200 | D. M. Hess, services .. | 30. 00 | 215 | F. A. Brockhaus, books .. | 1. 15 |
| 201 | Geo. Maier, books .. | 18. 60 | 216 | Do .. | 5. 65 |
| 202 | Jas. W. Queen & Co., apparatus .. | 3. 12 | 217 | L. C. Baudin, apparatus .. | 20. 73 |
| 203 | Fauth & Co., apparatus .. | 38. 55 | 218 | Henry J. Green, apparatus .. | 64. 15 |
| 204 | Easton & Rupp, supplies .. | 3. 90 | 219 | L. H. Schneider's Son, supplies .. | 3. 26 |
| 205 | L. H. Schneider's Son, tools and implements .. | 1. 00 | 220 | Do .. | . 85 |
| 206 | McFadden & Co., tools and implements .. | 40. 51 | 221 | O. L. Wolfsteiner & Co., supplies .. | 5. 00 |
| 207 | Geo. Ryneal, jr., tools and implements .. | . 50 | 222 | Royce & Marean, supplies .. | 4. 95 |
| 208 | Church & Stephenson, supplies .. | 2. 16 | 223 | W. B. Moses & Sons, supplies .. | 2. 00 |
| 209 | U. S. Express Co., freight .. | . 95 | 224 | F. A. Brockhaus, books .. | 297. 59 |
| 210 | T. R. Mitchell, printing .. | 4. 00 | 225 | General Electric Co., apparatus .. | 15. 35 |
| 211 | Eisner & Amend, apparatus .. | 4. 98 | 226 | Wm. Grunow, apparatus .. | 182. 00 |
| 212 | Geo. W. Knox Express, freight .. | 1. 83 | 227 | L. P. Casella, apparatus .. | 23. 11 |
| 213 | Adams Express Co., freight .. | 8. 75 | 228 | Jas. W. Queen & Company, apparatus .. | 100. 00 |
| | | | 229 | E. Kubel, apparatus .. | 2. 25 |
| | | | 230 | F. A. Brockhaus, books .. | 13. 72 |
| | Total disbursements Astro-Physical Observatory, 1892 .. | | | | 1, 119. 36 |
| | Balance, July 1, 1893 .. | | | | 37. 03 |

NATIONAL ZOÖLOGICAL PARK, 1893.

Appropriation by Congress for the fiscal year ending June 30, 1893, for continuing the construction of roads, walks, bridges, water supply, sewerage, and drainage, and for grading, planting, and otherwise improving the grounds, erecting and repairing buildings and enclosures for animals, and for administrative purposes, care, subsistence, and transportation of animals, including salaries or compensation of all necessary employes and general incidental expenses not otherwise provided for, fifty thousand dollars, one-half of which sum shall be paid from the revenues of the District of Columbia and the other half from the Treasury of the United States; and a report in detail of the expenses on account of the National Zoölogical Park shall be made to Congress at the beginning of each regular session." (Sundry civil act, August 5, 1892)..... \$50,000.00

Expenditures, July 1, 1892, to June 30, 1893.

Salaries or compensation:

| | |
|--|-------------|
| 1 acting manager, 12 months, at \$208.33 .. | \$2,499. 96 |
| 1 property clerk, 12 months, at \$100 .. | 1, 200. 00 |
| 1 clerk, 4½ months, at \$45 per month, \$202.50; | |
| 6 months, at \$60 per month, \$360 .. | 562. 50 |
| 1 clerk, 1 month and 7 days, at \$50 .. | 61. 29 |
| 1 stenographer, 12 months, at \$62.50 .. | 750. 00 |
| 1 messenger, 10 months 10 days, at \$25 .. | 258. 06 |
| 1 messenger, 3 months, at \$20, \$60; 9 months, | |
| at \$25, \$225 .. | 285. 00 |
| 1 messenger, 1 month 12 days, at \$25 .. | 34. 67 |
| 1 head keeper, 12 months, at \$75 .. | 900. 00 |
| 1 under keeper, 12 months, at \$50 .. | 600. 00 |
| 1 under keeper, 1 month, at \$45, \$45; 11 | |
| months, at \$50, \$550 .. | 595. 00 |
| 1 under keeper, 12 months, at \$50 .. | 600. 00 |
| 1 under keeper, 12 months, at \$45 .. | 540. 00 |
| 1 foreman, 1 month, at \$60, \$60; 11 months, | |
| at \$75, \$825 .. | 885. 00 |
| 1 blacksmith, 12 months, at \$75 .. | 900. 00 |
| 1 assistant blacksmith, 9 months, at \$45, | |
| \$40; 3 months, at \$60, \$180 .. | 585. 00 |
| 1 carpenter, 12 months, at \$65 .. | 780. 00 |

Salaries or compensation—Continued.

| | |
|---|----------|
| 1 carpenter, at 5½ months, at \$65, \$357.50; 7½ days, at \$65, \$15.73 | \$373.23 |
| 1 watchman, 12 months, at \$50 | 600.00 |
| 1 watchman, 12 months, at \$50 | 600.00 |
| 1 watchman, 12 months, at \$50 | 600.00 |
| 1 watchman, 12 months, at \$50 | 600.00 |
| 1 watchman, 9 months, at \$50, \$450; 10 days, at \$50, \$16.67 | 456.67 |
| 1 watchman, 9 months, at \$45, \$405; 14 days, at \$45, \$21 | 426.00 |
| 1 watchman, 8 months, at \$45 | 360.00 |
| 1 laborer, 12 months, at \$45 | 540.00 |
| 1 laborer, 12 months, at \$45 | 540.00 |
| 1 laborer, 8 months, at \$45 | 360.00 |
| 1 laborer, 2 months, at \$45 | 90.00 |
| 1 driver, 3 months 1 day, at \$45 | 136.45 |
| 1 driver, 8½ months 7 days, at \$45 | 392.66 |
| 1 attendant, 1 month 15½ days, at \$45 | 68.02 |
| 1 attendant, 2 days, at \$1 | 2.00 |

Total salaries or compensation..... \$18,181.51

Miscellaneous:

| | |
|--|------------|
| Building material, lime, cement, etc | \$2,950.70 |
| Copper cornice | 288.00 |
| Iron, steel, piping, fencing, and hardware | 2,615.17 |
| Lumber | 1,560.81 |
| Paints, oils, etc | 80.91 |
| Surveying, plans, drawings, etc | 1,014.00 |
| Tools and implements | 350.64 |
| Water supply, sewerage, etc | 649.43 |
| Trees, plants, fertilizers, etc | 258.86 |
| Freight, transportation, and hauling | 990.19 |
| Travelling expenses | 60.89 |
| Stationery, printing, etc | 304.00 |
| Food for animals | 3,832.08 |
| Postage, telephones, and telegraph | 148.08 |
| Miscellaneous supplies | 560.37 |
| Fuel | 829.04 |

16,493.17

Wages of mechanics and laborers and hire of teams in constructing wing walls of bridge; buildings and inclosures; riprapping banks of creek; laying water pipes; building roads, gutters, and walks, planting trees, and otherwise improving the grounds:

| | |
|--|---------|
| 1 bricklayer, 4½ days, at \$5 | \$22.50 |
| 1 stone mason, 61 days, at \$4 | 244.00 |
| 1 stone mason, 25½ days, at \$4 | 102.50 |
| 1 stone mason, 121½ days, at \$4 | 486.00 |
| 1 stone mason, 52½ days, at \$4 | 209.50 |
| 1 stone mason, 49½ days, at \$4 | 198.50 |
| 1 stone mason, 9 days, at \$4 | 36.00 |
| 1 stone mason, 38½ days, at \$4 | 154.00 |
| 1 quarryman, 19 days, at \$2 | 38.00 |
| 1 carpenter, 115½ days, at \$3 | 345.75 |
| 1 carpenter, 108½ days, at \$3 | 324.75 |
| 1 carpenter, 33 days, at \$3 | 99.00 |
| 1 carpenter, 30 days, at \$3 | 90.00 |
| 1 carpenter, 5 days, at \$3 | 15.00 |
| 1 carpenter, 79½ days, at \$2.50 | 198.75 |
| 1 laborer, 3 days, at \$1.25 | 3.75 |
| 1 laborer, 35½ days, at \$1.25 | 44.68 |
| 1 laborer, 3½ days, at \$1.25 | 4.06 |
| 1 laborer, 131½ days, at \$1.25 | 164.68 |
| 1 laborer, 99 days, at \$1.25 | 123.73 |

Wages of mechanics and laborers, etc.—Continued.

| | |
|---|---------|
| 1 laborer, 54½ days, at \$1.25 | \$68.11 |
| 1 laborer, 94 days, at \$1.25 | 117.49 |
| 1 laborer, 47½ days, at \$1.25 | 59.05 |
| 1 laborer, 27½ days, at \$1.25 | 34.37 |
| 1 laborer, 95½ days, at \$1.25 | 119.36 |
| 1 laborer, 82½ days, at \$1.25 | 102.81 |
| 1 laborer, 15½ days, at \$1.25 | 19.69 |
| 1 laborer, 5½ days, at \$1.25 | 6.87 |
| 1 laborer, 252½ days, at \$1.25 | 315.95 |
| 1 laborer, 127½ days, at \$1.25 | 159.37 |
| 1 laborer, 84½ days, at \$1.25 | 105.94 |
| 1 laborer, 4½ days, at \$1.25 | 5.63 |
| 1 laborer, 6 days, at \$1.25 | 7.50 |
| 1 laborer, 22 days, at \$1.25 | 27.50 |
| 1 laborer, 40½ days, at \$1.25 | 50.31 |
| 1 laborer, 77½ days, at \$1.25 | 97.19 |
| 1 laborer, 85½ days, at \$1.25 | 106.87 |
| 1 laborer, 23½ days, at \$1.25 | 29.06 |
| 1 laborer, 38½ days, at \$1.50, \$57.37; 69½ days, at \$1.25, \$86.55 | 143.92 |
| 1 laborer, 3 days, at \$1.25, \$3.75; 121½ days, at \$1.50, \$182.62 | 186.37 |
| 1 laborer, 105 days, at \$1.25 | 131.26 |
| 1 laborer, 18½ days, at \$1.25 | 22.81 |
| 1 laborer, 104½ days, at \$1.25 | 130.31 |
| 1 laborer, 23½ days, at \$1.25 | 29.68 |
| 1 laborer, 18 days, at \$1.25 | 22.50 |
| 1 laborer, 16 days, at \$1.25 | 20.00 |
| 1 laborer, 65½ days, at \$1.25, \$81.55; 70½ days, at \$1.50, \$105.75 | 187.30 |
| 1 laborer, 12 days, at \$1.25; \$15; 275½ days, at \$1.50, \$412.88 | 427.88 |
| 1 laborer, 12 days, at \$1.25, \$15; 170½ days, at \$1.50, \$255.35 | 270.35 |
| 1 laborer, 11½ days, at \$1.25, \$14.06; 200 days, at \$1.50, \$300 | 314.06 |
| 1 laborer, 48 days, at \$1.25, \$60; 45 days, at \$1.50, \$67.50 | 127.50 |
| 1 laborer, 11½ days, at \$1.25, \$14.37; 13 days, at \$1.50, \$19.50 | 33.87 |
| 1 laborer, 15½ days, at \$1.25, \$19.06; 60½ days, at \$1.50, \$90.75 | 109.81 |
| 1 laborer, 6 days, at \$1.25, \$7.50; 95½ days, at \$1.50, \$143.62 | 151.12 |
| 1 laborer, 74 days, at \$1.50 | 111.00 |
| 1 laborer, 68½ days, at \$1.50 | 102.75 |
| 1 laborer, 45 days, at \$1.50 | 67.50 |
| 1 laborer, 222½ days, at \$1.50 | 334.13 |
| 1 laborer, 353½ days, at \$1.50 | 530.62 |
| 1 laborer, 70 days, at \$1.50 | 104.99 |
| 1 laborer, 317½ days, at \$1.50 | 475.88 |
| 1 laborer, 76½ days, at \$1.50 | 114.75 |
| 1 laborer, 273 days, at \$1.50 | 409.51 |
| 1 laborer, 158 days, at \$1.50 | 237.00 |
| 1 laborer, 106 days, at \$1.50 | 159.00 |
| 1 laborer, 29½ days, at \$1.50 | 447.75 |
| 1 laborer, 71 days, at \$1.50 | 106.50 |
| 1 laborer, 73½ days, at \$1.50 | 110.25 |
| 1 laborer, 121½ days, at \$1.50 | 182.25 |
| 1 laborer, 56 days, at \$1.50 | 84.00 |
| 1 laborer, 51½ days, at \$1.50 | 77.25 |
| 1 laborer, 28 days, at \$1.50 | 42.00 |
| 1 laborer, 28 days, at \$1.50 | 42.00 |
| 1 laborer, 2 days, at \$1.50 | 3.00 |
| 1 laborer, 2 days, at \$1.50 | 3.00 |
| 1 stonebreaker, 1 cubic yards, at \$1.50 | 1.00 |

Wages of mechanics and laborers, etc.—Continued.

| | |
|--|--------------------|
| 1 stonebreaker, 22 $\frac{1}{2}$ cubic yards, at \$1.50 | \$15.74 |
| 1 stonebreaker, 62 $\frac{1}{2}$ cubic yards, at 60 cents, | |
| \$37.50; 100 $\frac{1}{2}$ cubic yards, at 70 cents, \$70.61 | 108.11 |
| 1 stonebreaker, 53 $\frac{1}{2}$ cubic yards, at 60 | |
| cents, \$32.35; 46 $\frac{1}{10}$ cubic yards, at 70 | |
| cents, \$32.27 | 64.62 |
| 1 stonebreaker, 38 cubic yards, at 70 cents | 26.60 |
| 1 stonebreaker, 63 cubic yards, at 60 cents | 37.80 |
| 1 messenger (tool boy), 105 days, at 50 cents | 52.50 |
| 1 water boy, 109 days, at 50 cents | 54.50 |
| 1 water boy, 76 days, at 75 cents | 57.00 |
| 1 water boy, 75 $\frac{1}{2}$ days, at 75 cents | 56.62 |
| 1 water boy, 39 days, at 75 cents | 29.26 |
| 1 watchman, 1 day, at \$1.50 | 1.50 |
| 1 watchman, 1 day, at \$1.50 | 1.50 |
| 1 watchman, 1 day, at \$1.50 | 1.50 |
| 1 watchman, 3 days, at \$1.50 | 4.50 |
| 1 watchman, 4 days, at \$1.50 | 6.00 |
| Wagons and teams, 553 $\frac{1}{2}$ days, at \$4 | 2,213.50 |
| Horse and wagon, 1 day, at \$2 | 2.00 |
| | <u>\$13,126.34</u> |

Total expenditure \$47,801.02

Balance July 1, 1893 2,198.98

Detailed list of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|-----|------------------------------------|----------|-----|---------------------------------|----------|
| 1 | Pay roll, services | \$271.55 | 38 | J. J. Mahoney, food | \$20.45 |
| 2 | do | 199.00 | 39 | F. M. Walker, food | 35.65 |
| 3 | do | 464.41 | 40 | W. F. Hewett, food | 48.60 |
| 4 | do | 571.51 | 41 | C. G. Smith & Son, building | |
| 5 | do | 285.25 | | stone | 351.37 |
| 6 | do | 470.92 | 42 | C. E. Hoover, food | 58.30 |
| 7 | J. J. Mahoney, milk | 23.10 | 43 | A. B. Baker, travel | 21.74 |
| 8 | F. M. Walker, food | 22.68 | 44 | Collector of taxes, District of | |
| 9 | W. A. Pate, supplies | 1.50 | | Columbia, c. i. water pipe | 69.79 |
| 10 | Walter F. Hewett, food | 34.55 | 45 | Pay roll, services | 1,863.10 |
| 11 | D. J. Howell, surveying, etc. | 20.00 | 46 | D. J. Howell, surveying | 25.00 |
| 12 | Pay roll, services | 1,744.52 | 47 | Baltimore and Potomac R. R. | |
| 13 | Haywood & Hutchinson, sup- | | | Co., transportation | 50.00 |
| | plies | 2.40 | 48 | Capitol Hill Brick Co., brick | 9.00 |
| 14 | Poole & Brooks, supplies | 2.70 | 49 | I. R. Roosa, transportation | 61.49 |
| 15 | D. W. McGrath, wagon | 70.00 | 50 | E. S. Schmid, food | 12.50 |
| 16 | Harry G. Isel, supplies | 1.25 | 51 | Chas. Schneider, food | 48.00 |
| 17 | Frank E. Hopkins, supplies | 2.33 | 52 | The Jackson Jones Co., lime | 39.00 |
| 18 | J. Lohman, supplies | 16.50 | 53 | J. H. Chesley & Co., fencing | 40.32 |
| 19 | Edw. S. Schmid, food | 14.50 | 54 | Chas. E. Higgins, building ma- | |
| 20 | R. A. Golden, food | .75 | | terial | 54.96 |
| 21 | E. Morrison Paper Co., sta- | | 55 | J. Lohmann, supplies | 31.95 |
| | tionery | 1.44 | 56 | S. S. Daish & Son, food | 87.73 |
| 22 | Wyckoff, Seamans & Benedict, | | 57 | Littlefield & Alvord, broken | |
| | stationery | .40 | | stone | 392.41 |
| 23 | Chas. Schneider, food | 44.94 | 58 | Chas. J. Fanning, slate | 1.00 |
| 24 | J. H. Chesley & Co., hardware | 19.20 | 59 | Wm. Ramsey, supplies | 1.00 |
| 25 | Daniel Shanahan, paints, oils, | | 60 | F. P. May & Co., hardware | 11.97 |
| | etc | 6.25 | 61 | Saml. Brenner, services | 21.77 |
| 26 | W. H. Blackburne, travel | 18.80 | 62 | Pay roll, services | 1,802.56 |
| 27 | L. H. Schnieder's Son, supplies | 3.25 | 63 | J. J. Mahoney, food | 18.40 |
| 28 | Samuel Brenner, services | 46.25 | 64 | Danl. Shanahan, lime and ce- | |
| 29 | H. W. Blunt, cement | 213.75 | | ment | 28.20 |
| 30 | Francis Miller, paints, oils, etc. | 8.95 | 65 | Danl. Shanahan, building ma- | |
| 31 | Capitol Hill Brick Co., brick | 9.00 | | terial | 167.78 |
| 32 | Capitol, North O Street and | | 66 | George White & Sons, gutter | |
| | South Washington Railway | | | trap | 17.60 |
| | Co., supplies | 10.00 | 67 | Church & Stephenson, lumber | 575.81 |
| 33 | W. T. & F. B. Weaver, tools, | | 68 | Walter F. Hewett, food and ce- | |
| | hardware, etc | 404.07 | | ment | 91.80 |
| 34 | Church & Stephenson, lumber | 111.82 | 69 | Geo. W. Knox Express, freight | 10.00 |
| 35 | Pay roll, services | 1,931.28 | 70 | V. Baldwin Johnson, coal | 110.39 |
| 36 | W. P. Tisdell, transportation | 214.17 | 71 | M. G. Copeland & Co., supplies | 10.00 |
| 37 | W. V. Kramer, services | 25.00 | 72 | O'Neil Bros., supplies | 6.75 |

Detailed list of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893—Continued.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|-----|---|----------|-----|--|------------|
| 73 | Mutual District Messenger Co., supplies | \$0.25 | 141 | Pay roll, services | \$1,133.17 |
| 74 | Chas. G. Smith & Son, stone | 182.11 | 142 | Frank Baker, travel | 21.25 |
| 75 | W. H. Harrover, galv. pans | 13.20 | 143 | Washington & Georgetown R. R. Co., paving blocks | 102.51 |
| 76 | F. M. Walker, food | 47.36 | 144 | Tschiffely & Evans, supplies | 4.50 |
| 77 | P. Mann, tools and implements | 23.75 | 145 | Chesapeake & Potomac Telephone Co., telephones | 46.08 |
| 78 | S. S. Daish & Son, food | 109.21 | 146 | James H. McGill, supplies | 2.98 |
| 79 | George White & Sons, gutter traps | 35.20 | 147 | Woodward & Lothrop, supplies | 8.50 |
| 80 | C. O. Chenault, transportation | 5.00 | 148 | John Welch, food | 2.50 |
| 81 | Z. D. Gilman, implements | 1.35 | 149 | Chas. A. Muddiman, supplies | 4.02 |
| 82 | Judd & Detweiler, printing | 14.00 | 150 | Edw. S. Schmid, food | 21.00 |
| 83 | Lansburgh & Bro., supplies | 1.68 | 151 | Wm. M. Galt & Co., food | 12.72 |
| 84 | J. H. Chesley & Co., implements | 1.98 | 152 | F. M. Walker, food | 31.15 |
| 85 | Wyckoff, Seamans & Benedict, supplies | 4.50 | 153 | Walter F. Hewett, food | 28.00 |
| 86 | Chas. Schneider, food | 46.50 | 154 | S. S. Daish & Son, food | 112.21 |
| 87 | Chas. Becker, supplies | 4.08 | 155 | Church & Stephenson, lumber, \$72.27; supplies, \$4 | 76.27 |
| 88 | H. T. Burrows, stone | 167.45 | 156 | Baltimore and Potomac R. R. Co., freight | 259.00 |
| 89 | L. H. Schneider's Son, supplies | 8.55 | 157 | L. H. Schneider's Son, building material, \$14.80; supplies, \$19.60 | 34.40 |
| 90 | Pay roll, services | 1,938.22 | 158 | Dan'l Shanahan, building material, \$15.63; supplies | 19.63 |
| 91 | George Ryneal, jr., supplies | 10.05 | 159 | Chas. Schneider, food | 45.00 |
| 92 | W. T. & F. B. Weaver, tools and implements | 338.75 | 160 | Washington Hydraulic Press Brick Co., brick | 13.30 |
| 93 | Jouvenal & Smith, bldg. stone | 69.00 | 161 | Geo. W. Knox Express, freight | 6.71 |
| 94 | John E. McLeod, food | 6.00 | 162 | Joseph F. Baker, water supply | 6.00 |
| 95 | Adams Express Co., freight | 1.05 | 163 | Camden Iron Works, cast-iron pipe | 193.96 |
| 96 | Fred A. Schmidt, supplies | 13.00 | 164 | Z. D. Gilman, supplies | .72 |
| 97 | B. F. Guy & Co., supplies | 1.00 | 165 | T. R. Mitchell, printing | 10.00 |
| 98 | W. H. Butler, supplies | 3.40 | 166 | Wm. Ballantyne & Sons, supplies | 5.50 |
| 99 | Rensburg & Elliott, supplies | 4.60 | 167 | J. J. Mahoney, food | 18.13 |
| 100 | H. T. Burrows, stone | 164.00 | 168 | Broderick Bros., cast-iron pipe | 8.44 |
| 101 | Pay roll, services | 2,124.36 | 169 | Pay roll, services | 936.32 |
| 102 | L. H. Schneider's Son, supplies, tools, etc. | 9.86 | 170 | John H. Oberly, agent, stationery | 32.50 |
| 103 | Woodward & Lothrop, supplies | .63 | 171 | C. E. Hoover, food | 102.40 |
| 104 | Adams Express Co., freight | 32.30 | 172 | Capitol, North O Street and South Washington R. R. Co., supplies | 10.00 |
| 105 | J. J. Mahoney, food | 18.85 | 173 | Thos. Somerville & Sons, pipe fittings | 28.87 |
| 106 | W. F. Hewett, building materials, \$15; food, \$83.60 | 78.60 | 174 | Lewis Hopfenmaier, supplies | 2.00 |
| 107 | Church & Stephenson, lumber | 262.97 | 175 | George Eppert, food | 74.10 |
| 108 | F. M. Walker, food | 30.15 | 176 | Mrs. F. Nace, supplies | 3.50 |
| 109 | H. T. Burrows, stone | 127.49 | 177 | Pay roll, services | 811.92 |
| 110 | B. F. Guy & Co., supplies | 41.50 | 178 | George S. Anderson, food and transportation | 82.32 |
| 111 | Dan'l Shanahan, building material | 41.08 | 179 | J. J. Mahoney, food | 18.00 |
| 112 | H. W. Blunt, building material | 42.75 | 180 | F. M. Walker, food | 34.73 |
| 113 | Easton & Rupp, stationery | 5.00 | 181 | Walter F. Hewett, food | 38.40 |
| 114 | Chas. Schneider, food | 46.50 | 182 | Geo. W. Knox Express, freight | 16.00 |
| 115 | New York Transfer Co., transportation | 40.50 | 183 | Littlefield & Alvord, stone | 7.71 |
| 116 | George Ryneal, jr., supplies | 4.14 | 184 | Fred A. Schmidt, stationery | 3.62 |
| 117 | Chas. H. Pleasants, supplies | 7.20 | 185 | J. Lohmann, supplies | 1.00 |
| 118 | D. J. Howell, surveying, etc. | 15.00 | 186 | Chas. Schneider, food | 46.50 |
| 119 | Edw. S. Schmid, food | 18.75 | 187 | Chesapeake and Potomac Telephone Co., telephone | 47.50 |
| 120 | V. Baldwin Johnson, fuel | 322.85 | 188 | Geo. Ryneal, jr., supplies | 4.94 |
| 121 | E. L. Dent, building material | 28.20 | 189 | Edward S. Schmid, food | 25.50 |
| 122 | Pay roll, services | 1,341.68 | 190 | L. H. Schneider's Son, hardware | 130.10 |
| 123 | Joseph Mace, freight | 3.00 | 191 | Thos. Somerville & Sons, tools and implements | 6.23 |
| 124 | John C. Parker, stationery | 1.75 | 192 | Pay roll, services | 880.14 |
| 125 | P. Mann, tools | 2.80 | 193 | Joseph Mace, freight | 3.00 |
| 126 | Wm. Ballantyne & Sons, stationery | 7.46 | 194 | W. T. & F. B. Weaver, hardware | 124.46 |
| 127 | J. B. Kendall, tools | 3.75 | 195 | Wm. M. Galt & Co., food | 5.02 |
| 128 | Adams Express Co., freight | 7.30 | 196 | O. L. Wolfsteiner & Co., copper cornice | 238.00 |
| 129 | Chas. Becker, supplies | 17.15 | 197 | Rensburg & Elliott, supplies | 8.35 |
| 130 | Edw. S. Schmid, food | 15.00 | 198 | Adams Express Co., freight | 2.10 |
| 131 | S. S. Daish & Son, food | 125.98 | 199 | T. R. Mitchell, printing | 5.06 |
| 132 | Francis Miller, supplies | 6.75 | 200 | F. L. Olmstead & Co., plans and drawings | 200.00 |
| 133 | Thomas Somerville & Sons, supplies | 96.59 | | | |
| 134 | Capitol Hill Brick Co., brick | 18.00 | | | |
| 135 | Pennsylvania R. R. Co., transportation | 6.50 | | | |
| 136 | Pay roll, services | 69.50 | | | |
| 137 | Washington City post-office, postage | 5.00 | | | |
| 138 | W. T. & F. B. Weaver, supplies | 182.57 | | | |
| 139 | Jouvenal & Smith, building material | 31.00 | | | |
| 140 | Byron G. Daniels, transportation | 123.02 | | | |

Detailed list of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893—Continued.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|-----|---|----------|-----|--|----------|
| 201 | W. A. Pate, supplies..... | \$4.00 | 272 | B. Westermann & Co., books .. | \$1.07 |
| 202 | F. Mann, supplies..... | 1.25 | 273 | Chas. J. Fanning, cement..... | 6.00 |
| 203 | Lansburgh & Bro. supplies..... | 1.00 | 274 | Wm. Ballantyne & Sons, books .. | 7.50 |
| 204 | S. S. Daish & Son, food..... | 177.67 | 275 | P. H. Heiskell, jr., & Co., im- plements..... | 29.00 |
| 205 | Wm. H. Butler, paints, oils, etc. | 24.05 | 276 | Broderick Bros., supplies..... | 2.00 |
| 206 | Melville Lindsay, supplies..... | 23.71 | 277 | F. M. Walker, food..... | 45.71 |
| 207 | Pay roll, services..... | 910.42 | 278 | T. R. Mitchell, printing..... | 12.75 |
| 208 | Geo. W. Knox Express, freight .. | 10.00 | 279 | John R. Galloway, supplies..... | 3.00 |
| 209 | F. M. Walker, food..... | 44.90 | 280 | Rensburg & Elliott, supplies..... | 10.55 |
| 210 | Walter F. Hewett, food..... | 36.40 | 281 | J. H. Chesley & Co., hardware .. | 62.32 |
| 211 | Geo. Ryneal, jr., supplies..... | 5.04 | 282 | Fred. A. Schmidt, stationery..... | .85 |
| 212 | Wm. Ballantyne & Sons, sup- plies..... | 5.00 | 283 | W. H. Lowdermilk & Co., books .. | 5.00 |
| 213 | Wm. M. Galt & Co., food..... | 6.16 | 284 | Wm. M. Neitzey, food..... | 9.10 |
| 214 | J. C. Parker, supplies..... | 4.25 | 285 | Dan'l Shanahan, supplies..... | 1.75 |
| 215 | Edw S. Schmid, food..... | 9.00 | 286 | J. J. Mahoney, food..... | 18.60 |
| 216 | Wm. M. Neitzey, food..... | 12.25 | 287 | E. Morrison Paper Co., sta- tionery..... | 3.63 |
| 217 | J. J. Mahoney, food..... | 18.60 | 288 | Edward S. Schmid, food..... | 15.00 |
| 218 | Edw. L. Dent, tools and imple- ments..... | 100.00 | 289 | Thos. Somerville & Sons, cast- ings..... | 2.13 |
| 219 | S. S. Daish & Son, food..... | 202.21 | 290 | S. S. Daish & Son, food..... | 119.94 |
| 220 | P. H. Heiskell, jr., & Co., supplies | 3.50 | 291 | Wm. Wesley & Son, books..... | 2.60 |
| 221 | C. A. Schneider's Sons, supplies | 3.00 | 292 | Pay roll, services..... | 1,321.19 |
| 222 | B. F. Guy & Co., supplies..... | 1.00 | 293 | Chesapeake and Potomac Tele- phone Co., telephones..... | 47.50 |
| 223 | L. H. Schneider's Son, hardware | 74.69 | 294 | Chas. Schneider, food..... | 88.50 |
| 224 | Chas. E. Gross, supplies..... | 12.10 | 295 | Geo. W. Knox, express..... | 40.80 |
| 225 | Chas. Schneider, food..... | 46.50 | 296 | J. D. Wilson, fertilizer..... | 50.00 |
| 226 | Adams Express Co., freight..... | 2.00 | 297 | Church & Stephenson, lumber .. | 161.78 |
| 227 | Pay roll, services..... | 908.52 | 298 | V. Baldwin Johnson, fuel..... | 200.79 |
| 228 | F. P. May & Co., hardware..... | 2.50 | 299 | W. T. & F. B. Weaver, hardware | 372.61 |
| 229 | A. Eberly's Sons, supplies..... | 6.50 | 300 | Taylor Bros., transportation .. | 3.25 |
| 230 | Mary E. Boarman, supplies..... | 1.65 | 301 | Belt Railway Co., supplies..... | 10.00 |
| 231 | V. Baldwin Johnson, coal..... | 195.01 | 302 | Walter F. Hewett, food..... | 36.40 |
| 232 | W. T. & F. B. Weaver, hard- ware..... | 52.88 | 303 | Pay roll, services..... | 1,422.74 |
| 233 | Walter F. Hewett, food..... | 36.40 | 304 | E. Morrison Paper Co., station- ery..... | 2.50 |
| 234 | Edw. S. Schmid, food..... | 20.30 | 305 | Edward L. Dent, castings..... | 3.20 |
| 235 | The Standard Engraving Co., printing..... | 20.00 | 306 | Littlefield, Alvord & Co., haul- ing..... | 153.13 |
| 236 | Maurice Joyce, printing..... | 42.80 | 307 | F. M. Walker, food..... | 45.40 |
| 237 | Pay roll, services..... | 897.31 | 308 | J. J. Mahoney, food..... | 18.00 |
| 238 | E. G. Wheeler, supplies..... | 1.50 | 309 | Daniel Shanahan, cement..... | 58.25 |
| 239 | Church & Stephenson, lumber..... | 172.17 | 310 | L. H. Schneider's Son, hard- ware..... | 49.61 |
| 240 | Fred. A. Schmidt, stationery..... | 2.15 | 311 | George Ryneal, jr., supplies..... | 5.23 |
| 241 | Thos. D. Singleton, furniture..... | 6.50 | 312 | Bridgett O'Neill, lime..... | 8.00 |
| 242 | Wm. Smith, lime..... | 16.00 | 313 | Wm. M. Neitzey, food..... | 8.40 |
| 243 | F. P. May & Co., hardware..... | 8.25 | 314 | J. H. Chesley & Co., hardware .. | 5.35 |
| 244 | Wm. M. Galt & Co., food..... | 5.70 | 315 | Easton & Rupp, stationery..... | 1.00 |
| 245 | F. M. Walker, food..... | 46.80 | 316 | Washington & Georgetown R. R. Co., paving block..... | 400.00 |
| 246 | J. J. Mahoney, food..... | 17.10 | 317 | Thos. Somerville & Sons, pipe..... | 9.75 |
| 247 | Binder & Kelly, supplies..... | 2.00 | 318 | Chas. Schneider, food..... | 45.00 |
| 248 | Baltimore and Ohio R. R. Co., freight..... | 11.00 | 319 | Joseph Mace, freight..... | 14.34 |
| 249 | Wyckoff, Seamans & Benedict, supplies..... | 2.00 | 320 | Church & Stephenson, lumber .. | 56.14 |
| 250 | Wm. Ballantyne & Sons, station- ery..... | 2.75 | 321 | Geo. W. Knox Express, freight .. | 3.10 |
| 251 | E. Montrop & Co., supplies..... | 8.25 | 322 | do..... | 1.00 |
| 252 | Libbey, Bittinger & Miller, building material..... | 12.60 | 323 | S. S. Daish & Son, food..... | 160.61 |
| 253 | George Ryneal, jr., supplies..... | 1.75 | 324 | J. B. Kendall, hardware, etc..... | 12.55 |
| 254 | Dan'l Shanahan, supplies..... | 13.48 | 325 | Capitol Hill Brick Co. bricks..... | 9.00 |
| 255 | J. H. Chesley & Co., supplies..... | 2.95 | 326 | Lewis Hopfenmaier, tools and implements..... | 20.54 |
| 256 | S. S. Daish & Son, food..... | 146.19 | 327 | T. R. Mitchell, printing..... | 1.50 |
| 257 | George Maier, binding..... | 4.50 | 328 | Z. D. Gilman, supplies..... | .68 |
| 258 | Thos. Somerville & Sons, sup- plies..... | 7.58 | 329 | C. E. Hoover, food..... | 33.80 |
| 259 | Robt. Boyd, supplies..... | 5.75 | 330 | do..... | 31.20 |
| 260 | Wm. M. Neitzey, food..... | 6.82 | 331 | Wm. M. Galt & Co., food..... | 4.42 |
| 261 | Pay roll, services..... | 947.52 | 332 | Pay roll, services..... | 1,420.27 |
| 262 | Manning & Parsons, lumber..... | 60.00 | 333 | P. H. Heiskell, jr., & Co., trees, plants, etc..... | 24.13 |
| 263 | Joseph Mace, freight..... | 6.00 | 334 | W. F. Hewett, food..... | 42.00 |
| 264 | Adams Express Co., freight..... | .35 | 335 | W. T. & F. B. Weaver, hardware .. | 204.36 |
| 265 | C. E. Hoover, food..... | 36.22 | 336 | Pay roll, services..... | 55.39 |
| 266 | do..... | 45.00 | 337 | Edw. L. Dent, tools and imple- ments..... | 122.45 |
| 267 | A. Routt, fertilizer..... | 39.08 | 338 | Pay roll, services..... | 1,194.77 |
| 268 | W. F. Hewett, food..... | 14.30 | 339 | Adams Express Co., freight..... | 8.70 |
| 269 | Peter Henderson & Co., supplies | | 340 | Page Woven Wire Fence Co., fencing..... | 252.50 |
| 270 | Edw. L. Dent, tools and imple- ments..... | 65.59 | | | |
| 271 | Pay roll, services..... | 1,061.19 | | | |

Detailed list of disbursements made by William W. Karr, disbursing clerk, Smithsonian Institution, from July 1, 1892, to June 30, 1893—Continued.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|---|--|----------|-----|--|-----------|
| 341 | D. C. Turner, tools and imple- ments..... | \$5.00 | 361 | Wm. M. Neitzey, food | \$9.10 |
| 342 | Mary E. Boarman, supplies..... | 1.26 | 362 | Easton & Rupp, stationery..... | 2.79 |
| 343 | E. Montrop & Co., supplies..... | 9.00 | 363 | Chas. Schneider, food..... | 46.50 |
| 344 | F. M. Walker, food..... | 42.38 | 364 | Chesapeake and Potomac Tele- phone Co., telephones..... | 2.00 |
| 345 | Dan'l Shanahan, building ma- terial..... | 58.05 | 365 | Geo. Ryneal, jr., supplies..... | 4.89 |
| 346 | Joseph Mace, freight..... | 19.81 | 366 | Ames Plow Co., tools and imple- ments..... | 49.71 |
| 347 | J. J. Mahoney, food..... | 18.60 | 367 | Thos. W. Smith, lumber..... | 60.00 |
| 348 | Glenn Brown, plans, and draw- ings, etc..... | 455.00 | 368 | M. M. Crocker, supplies..... | 2.00 |
| 349 | D. J. Howell, surveying, etc..... | 99.00 | 369 | P. Mann & Co., supplies..... | 90.77 |
| 350 | Pay roll, services..... | 1,195.40 | 370 | Frank Baker, travel..... | 16.85 |
| 351 | W. T. & F. B. Weaver, hard- ware..... | 171.36 | 371 | Wm. Ramsay, supplies..... | 5.00 |
| 352 | Church & Stephenson, lumber..... | 23.85 | 372 | Edw. S. Schmid, food..... | 12.50 |
| 353 | Thos. Somerville & Sons, hard- ware, etc..... | 50.44 | 373 | T. R. Mitchell, printing..... | 4.00 |
| 354 | Wm. M. Galt & Co., food..... | 11.84 | 374 | L. H. Schneider's Son, hard- ware..... | 19.25 |
| 355 | S. S. Dalsh & Son, food..... | 179.95 | 375 | Pay roll, services..... | 1,010.69 |
| 356 | Harlan P. Kelsey, plants, etc..... | 39.43 | 376 | W. F. Hewett, food..... | 48.05 |
| 357 | Thos. Meehan & Sons, plants, etc..... | 13.50 | 377 | Hugh Waters, stone..... | 19.00 |
| 358 | Wm. F. Bassett & Son, plants, etc..... | 24.50 | 378 | Judd & Detweiler, printing..... | 7.00 |
| 359 | Conrad Becker, supplies..... | .35 | 379 | J. H. Chesley & Co., hardware..... | 72.90 |
| 360 | Edw. S. Schmid, food..... | 12.00 | 380 | J. B. Kendall, hardware..... | 3.50 |
| | | | 381 | Adams Express Co., freight..... | 5.10 |
| | | | 382 | Wm. M. Galt & Co., food..... | 8.84 |
| | | | 383 | Olmstead, Olmstead & Eliot, plans, drawings, etc..... | 200.00 |
| Total disbursements National Zoölogical Park, 1893..... | | | | | 47,801.02 |
| Balance July 1, 1893..... | | | | | 2,198.98 |

National Zoölogical Park, organization, improvement, maintenance.

| | |
|--|------------|
| Balance July 1, 1892, as per last annual report..... | \$1,778.34 |
| Expenditures from July 1, 1892, to June 30, 1893: | |
| Artificial ponds, etc..... | \$910.86 |
| Current expenses..... | 23.75 |
| Total expenditures..... | 934.61 |
| Balance July 1, 1893, to meet outstanding liabilities..... | 843.73 |

Statement of the total expenditures of the appropriation for the Zoölogical Park, act of April 30, 1890.

| | From April 30, 1890, to June 30, 1892. | From July 1, 1892, to June 30, 1893. | Total to June 30, 1893. |
|---|---|---|----------------------------|
| Shelter of animals..... | \$14,925.21 | | \$14,925.21 |
| Shelter barns, cages, fences, etc..... | 8,956.06 | | 8,956.06 |
| Repairs to Holt mansion, etc..... | 2,000.00 | | 2,000.00 |
| Artificial ponds, etc..... | 1,089.14 | \$910.86 | 2,000.00 |
| Water supply, sewerage, and drainage..... | 7,000.00 | | 7,000.00 |
| Roads, walks, and bridges..... | 15,000.00 | | 15,000.00 |
| Miscellaneous supplies..... | 5,000.00 | | 5,000.00 |
| Current expenses..... | 36,251.25 | 23.75 | 36,275.00 |
| Total..... | 90,221.66 | 934.61 | 91,156.27 |
| Balance..... | 1,778.34 | 843.73 | 843.73 |

Detailed list of disbursements from appropriation National Zoölogical Park, organization, improvements, maintenance.

| No. | Item of expenditure. | Amount. |
|---|---|----------|
| 829 | Pay roll, services..... | \$240.50 |
| 830 | Glenn Brown, plans and drawings..... | 5.00 |
| 831 | John Burns, rental derricks..... | 23.75 |
| 832 | Pay roll, services..... | 450.44 |
| 833 | Collector of taxes, District of Columbia, cast-iron pipe..... | 90.90 |
| 834 | Pay roll, services..... | 122.37 |
| 835 | W. T. & F. B. Weaver, pig lead..... | 1.65 |
| Total disbursements National Zoölogical Park: Organization, improvements, maintenance, from July 1, 1892, to June 30, 1893..... | | 934.61 |
| Balance July 1, 1893..... | | 843.73 |

National Zoölogical Park, buildings, 1892.

| | |
|--|----------|
| Balance July 1, 1892, as per last report | \$231.54 |
| Expenditures, July 1, 1892, to June 30, 1893: | |
| Lumber..... | \$140.74 |
| Paints, oils, etc..... | 38.43 |
| Plans, drawings, etc..... | 13.25 |
| Plumbing supplies..... | 14.12 |
| Stone..... | 25.00 |
| Total expenditures..... | 231.54 |

Statement of the total expenditure of the appropriation for National Zoölogical Park, buildings, 1892.

[Appropriation, \$18,000, act March 3, 1891.]

| | From July 1, 1891, to June 30, 1892. | From July 1, 1892, to June 30, 1893. | Total to June 30, 1893. |
|---------------------------------|---|---|----------------------------|
| Fencing..... | \$107.50 | | \$107.50 |
| Fuel..... | 4.20 | | 4.20 |
| Glass, paints, oils, etc..... | 227.40 | \$38.43 | 265.83 |
| Hardware, tools, etc..... | 1,249.98 | | 1,249.98 |
| Heating apparatus..... | 3,545.00 | | 3,545.00 |
| Lumber..... | 3,023.41 | 140.74 | 3,164.15 |
| Miscellaneous..... | 83.10 | | 83.10 |
| Plans, drawings, etc..... | 575.00 | 13.25 | 588.25 |
| Plumbing supplies..... | | 14.12 | 14.12 |
| Salaries or compensations..... | 8,624.32 | | 8,624.32 |
| Stone, brick, lime, cement..... | 328.55 | 25.00 | 353.55 |
| Total..... | 17,768.46 | 231.54 | 18,000.00 |

Detailed list of disbursements from appropriation National Zoölogical Park, buildings, 1892.

| No. | Item of expenditure. | Amount. |
|--|---|---------|
| 70 | L. H. Schneider's Son, paints and oils..... | \$30.73 |
| 71 | Chas. Becker, paints and oils..... | 5.50 |
| 72 | Geo. Ryneal, jr., paints and oils..... | 2.20 |
| 73 | L. P. Shoemaker, stone..... | 25.00 |
| 74 | Glenn Brown, plans and drawings..... | 13.25 |
| 75 | W. T. & F. B. Weaver, hardware..... | 14.12 |
| 76 | Church & Stephenson, lumber..... | 140.74 |
| Total disbursements National Zoölogical Park, buildings, 1892..... | | 231.54 |

National Zoölogical Park, improvements, 1892.

| | |
|---|-----------|
| Balance July 1, 1892, as per last annual report | \$121. 34 |
| Expenditures, July 1, 1892, to June 30, 1893: | |
| Hardware | \$7. 54 |
| Plans and drawings | 100. 00 |
| Trees, shrubs, plants, etc | 8. 80 |
| Total expenditures | 116. 34 |
| Balance July 1, 1893, to meet outstanding liabilities | 5. 00 |

Statement of the total expenditure of the appropriation for the National Zoölogical Park, improvements, 1892.

[Appropriation, \$15,000, act March 3, 1891.]

| | From July 1, 1891, to June 30, 1892. | From July 1, 1892, to June 30, 1893. | Total to June 30, 1893. |
|---|--|--|-------------------------------|
| Building bridge (contract) | \$1,742. 50 | | \$1,742. 50 |
| Building material | 544. 17 | | 544. 17 |
| Freight | 74. 00 | | 74. 00 |
| Hardware | 17. 20 | \$7. 54 | 24. 74 |
| Lumber | 333. 09 | | 333. 09 |
| Salaries or compensation | 8,181. 84 | | 8,181. 84 |
| Settees, etc | 420. 00 | | 420. 00 |
| Supplies | 81. 95 | | 81. 95 |
| Surveying, plans, and drawings | 2,961. 79 | 100. 00 | 3,061. 79 |
| Tools and implements | 173. 77 | | 173. 77 |
| Travelling expenses, etc | 68. 50 | | 68. 50 |
| Trees, plants, and fertilizers | 279. 85 | 8. 80 | 288. 65 |
| Total | 14,878. 66 | 116. 34 | 14,995. 00 |
| Balance July 1, 1893, to meet outstanding liabilities | | | 5. 00 |

Detailed list of disbursements from appropriation National Zoölogical Park, improvements, 1892.

| No. | Items of expenditure. | Amount. |
|-----|---|---------|
| 82 | G. A. Parker, trees, plants, etc | \$8. 80 |
| 83 | F. L. Olmstead & Co., plans and drawings | 100. 00 |
| 84 | W. T. & F. B. Weaver, hardware | 7. 54 |
| | Total disbursements, National Zoölogical Park, improvements, 1892 | 116. 34 |
| | Balance July 1, 1893 | 5. 00 |

National Zoölogical Park, maintenance, 1892.

| | |
|---|------------|
| Balance July 1, 1892, as per last annual report | \$1,386 50 |
| Expenditures from July 1, 1892, to June 30, 1893: | |
| Coal and wood | 180 00 |
| Draft-horses | 365. 00 |
| Food for animals | 189. 28 |
| Freight and hauling | 2. 65 |
| Miscellaneous expenses | 99. 03 |
| Plans, drawings, etc | 200. 00 |
| Specimens | 296. 17 |
| Stationery and printing | 16. 87 |
| Telephones | 37. 50 |
| Total expenditures | 1,386. 50 |

Statement of the total expenditure of the appropriation for the National Zoölogical Park, maintenance, 1892.

[Appropriation, \$18,500, acts March 3, 1891, and March 8, 1892.]

| | From July 1, 1891, to June 30, 1892. | From July 1, 1892, to June 30, 1893. | Total to June 30, 1893. |
|-------------------------------|--|--|-------------------------------|
| Coal and wood..... | \$263. 12 | \$180. 00 | \$443. 12 |
| Draft-horse..... | | 365. 00 | 365. 00 |
| Food for animals..... | 3, 738. 12 | 189. 28 | 3, 927. 40 |
| Freight and hauling..... | 222. 91 | 2. 65 | 225. 56 |
| Hardware, etc..... | 76. 05 | | 76. 05 |
| Horseshoeing..... | 33. 14 | | 33. 14 |
| Lumber..... | 27. 50 | | 27. 50 |
| Miscellaneous expenses..... | 394. 22 | 99. 03 | 493. 25 |
| Plans, drawings, etc..... | | 200. 00 | 200. 00 |
| Salaries or compensation..... | 10, 984. 12 | | 10, 984. 12 |
| Stationery and printing..... | 72. 77 | 16. 87 | 89. 64 |
| Specimens..... | 1, 301. 55 | 296. 17 | 1, 597. 72 |
| Telephones..... | | 37. 50 | 37. 50 |
| Total..... | 17, 113. 50 | 1, 386. 50 | 18, 500. 00 |

Detailed list of disbursements from appropriation National Zoölogical Park, maintenance, 1892.

| No. | Item of expenditure. | Amount. | No. | Item of expenditure. | Amount. |
|---|--|----------|-----|--|------------|
| 191 | Thos. M. Draney, fuel..... | \$23. 40 | 210 | E. S. Schmidt, food..... | \$16. 75 |
| 192 | J. T. Hopkins, draft horses..... | 365. 00 | 211 | O'Neil Bros., miscellaneous expenses..... | 10. 50 |
| 193 | Walter F. Hewett, food..... | 41. 55 | 212 | Fred. A. Schmidt, stationery..... | 2. 85 |
| 194 | J. J. Mahoney, food..... | 20. 58 | 213 | Binder & Kelly, miscellaneous expenses..... | 2. 00 |
| 195 | F. M. Walker, food..... | 37. 05 | 214 | R. A. Golden, food..... | 2. 75 |
| 196 | Wm. E. Hodge, fuel..... | 156. 60 | 215 | T. R. Mitchell, printing..... | 2. 00 |
| 197 | Jas. L. Barbour, miscellaneous expenses..... | 1. 60 | 216 | Remsburg & Elliott, miscellaneous expenses..... | 7. 50 |
| 198 | Pearce, Lawton & McReynolds, miscellaneous expenses..... | 5. 00 | 217 | Adams Express Co., freight..... | 2. 15 |
| 199 | P. Mann, miscellaneous expenses..... | 2. 45 | 218 | United States Express Co., freight..... | . 50 |
| 200 | C. M. Bell, miscellaneous expenses..... | 10. 00 | 219 | Mary E. Boardman, miscellaneous expenses..... | 2. 00 |
| 201 | E. Morrison Paper Company, stationery..... | 5. 76 | 220 | B. Westermann & Co., miscellaneous expenses..... | 3. 40 |
| 202 | F. L. Olmstead & Co., plans, drawings, etc..... | 200. 00 | 221 | Mutual District Messenger Co., miscellaneous expenses..... | . 50 |
| 203 | Easton & Rupp, stationery..... | . 40 | 222 | W. T. & F. B. Weaver, miscellaneous expenses..... | 10. 03 |
| 204 | Wm. Ballantyne & Son, stationery..... | 5. 86 | 223 | W. P. Tisdell, miscellaneous expenses..... | 171. 33 |
| 205 | Z. D. Gilman, miscellaneous expenses..... | 2. 55 | 224 | C. E. Hoover, food..... | 23. 60 |
| 206 | Chas. Schneider, food..... | 42. 00 | 225 | Geo. S. Anderson, food..... | 124. 84 |
| 207 | Chesapeake and Potomac Telephone Company, telephone..... | 37. 50 | 226 | H. M. Pollock, miscellaneous expenses..... | 12. 50 |
| 208 | J. Lohman, miscellaneous expenses..... | 37. 50 | | | |
| 209 | Church & Stephenson, miscellaneous expenses..... | 4. 00 | | | 1, 399. 00 |
| | Less amount disallowed in voucher No. 158..... | | | | 12. 50 |
| Total disbursements National Zoölogical Park, maintenance, 1892, from July 1, 1892, to June 30, 1893..... | | | | | 1, 386. 50 |